TOSHIBA

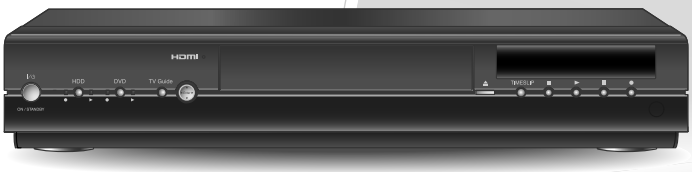
HDD/DVD VIDEO RECORDER

RD-XS55KU

OWNER'S MANUAL

INSTALLATION GUIDE

Read this booklet first.



Introduction

Connections

Basic setup

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Ⓗ PM0026071010

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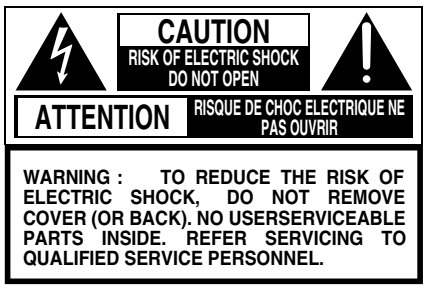
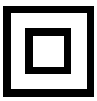
SAFETY PRECAUTIONS


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
ATTENTION
RISQUE DE CHOC ELECTRIQUE NE
PAS OUVRIR
WARNING : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USERSERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



The symbol for CLASS II (Double Insulation)

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. DANGEROUS HIGH VOLTAGES ARE PRESENT INSIDE THE ENCLOSURE. DO NOT OPEN THE CABINET. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU’AU FOND.

CAUTION: This HDD/DVD video recorder employs a Laser System.
To ensure proper use of this product, please read this owner’s manual carefully and retain for future reference. Should the unit require maintenance, contact an authorized service location - see service procedure.

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

To prevent direct exposure to laser beam, do not try to open the enclosure.
Visible and invisible laser radiation when open and interlocks defeated.
DO NOT STARE INTO BEAM.

FCC NOTICE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rule. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Changes or modifications made to this equipment, not expressly approved by Toshiba, or parties authorized by Toshiba, could void the user’s authority to operate the equipment.

Note to cable system installer:
This reminder is provided to call the cable system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

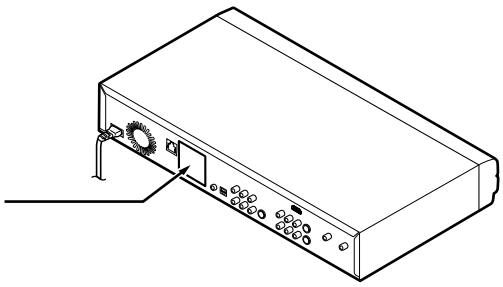
In the spaces provided below, record the Model and Serial No. located on the rear panel of your recorder.

Model No. _____ Serial No. _____

Retain this information for future reference.

Location of the required label

PRODUCT IS CERTIFIED BY THE MANUFACTURER TO COMPLY WITH DHHS RULE 21 CFR SUBCHAPTER J IN EFFECT AT DATE OF MANUFACTURE.
MANUFACTURED
SERIAL NO.
TOSHIBA CORPORATION
1-1, SHIBAURA 1-CHOME, MINATO-KU,
TOKYO 105-8001 JAPAN



IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

ADDITIONAL SAFETY INSTRUCTIONS

15. Do not overload wall outlets; extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

16. Apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should not be placed on the apparatus.

17. Keep your fingers well clear of the disc tray as it is closing. Neglecting to do so may cause serious personal injury.

18. Do not place anything on top of this unit.

19. Do not place the apparatus on amplifiers or equipment that may produce heat.

20. Do not cover the ventilating holes for the inside cooling fan.

21. Do not use a cracked, deformed, or repaired disc. These discs are easily broken and may cause serious personal injury and apparatus malfunction.

22. If the apparatus should smoke or smell, immediately disconnect the power cord from the wall outlet. Wait until the smoke or smell stops, then ask your dealer for a check and repair. Neglecting to do so may cause fire.

23. During thunderstorms, do not touch the connecting cables or the apparatus.

24. Handling the cord on this product or cords associated with accessories sold with this product, will expose you to lead, a chemical known to the State of California to cause birth defects or other reproductive harm.
Wash hands after handling.

Precautions

Notes on handling

- Never disconnect the power cord from a wall outlet while the recorder is turned on, unless it is in an emergency. Doing so may cause malfunction.
- When shipping the recorder, the original shipping carton and packing materials come in handy. For maximum protection, repack the unit as it was originally packed at the factory.
- Do not use volatile liquids, such as insect spray, near the recorder. Do not leave rubber or plastic products in contact with the recorder for a long time. They will leave marks on the finish.
- The top and rear panels of the recorder may become warm after a long period of use. This is not a malfunction.

When not in use

- For usual absence
  Be sure to remove the disc from the recorder and turn off the power.
- Prolonged absence
  Unplug the recorder from a wall outlet.

Notes on locating

- Place the recorder on a level surface. Do not use it on a shaky or unstable surface such as a wobbly table or inclined stand. The loaded disc may dislodge from its proper position and cause damage to the recorder. Before placing the recorder, make sure that the surface can stand the weight of the recorder. Never place the recorder in a high location to avoid damage to the product or person by an accidental fall of the recorder.
- When you place this recorder near a TV, radio, or VCR, the playback picture may become poor and the sound may be distorted depending on the condition and location of said equipment. In such an event, place the recorder as far away much as possible from the TV, radio, or VCR.
- To avoid damage to this product, never place or store the unit in direct sunlight; hot, humid areas; or areas subject to excessive dust, oily smoke, cigarette smoke or vibration.

Notes on cleaning

Use a soft, dry cloth for cleaning.

- Do not use any type of solvent, such as thinner or benzine, as they may damage the surface of the recorder.

Notes on antennas

- Image and sound quality depend very much on signal reception.
- Reception may be poor in weak signal areas. In this event, consult your dealer, or purchase a commercially available antenna booster. Refer to the booster's instruction manual for installation details.

Notes on recording and editing

- When you record/edit important content, make trial operations beforehand to confirm the recorder can function properly.
  Toshiba does not compensate for content which was not recorded/edited because of some malfunction of this product or discs during operation, and is not liable for incidental damages (such as profit loss or interruption of business, etc.) produced in such conditions.
- When the power cord is disconnected or when a power failure occurs during any operation of this product, all contents recorded in this recorder may be erased.
- Depending on the channel or program, an excessive sound input level may cause noise or cut of recorded sound. Adjust the initial setting of the recording level when necessary.
- If a program you have set a timer recording includes copy restriction signals, it may not be recorded. When programming a recording, confirm that a program you want to record is not copy-restricted.

Power outage

- After a power outage the clock display will flash. Set the clock to the correct time.

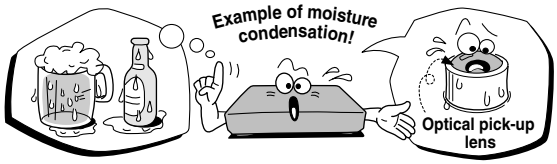
Notes on the HDD inside the unit

- Do not give a shock or shake (especially during operation).
- Do not use in a shaky or unstable location.
- Hold the unit horizontally.
- Do not cover the ventilation holes for the cooling fan of the unit.
- Do not use in a place where the temperature rises or changes rapidly.
- Do not disconnect the power plug from a wall outlet while the unit is turned on.
- Do not disconnect the power plug from the wall outlet or break the power supply to the unit during recording or playing. Before disconnecting the power plug, be sure to press the power button and make sure the unit ends the finishing process and power turns off (standby mode). If the power plug is disconnected or power supply is disrupted while the unit is recording, all recorded content will be erased.
- Toshiba is not liable for any damage or loss of recorded data caused by shock, shakes, misoperation or malfunction.

Notes on moisture condensation

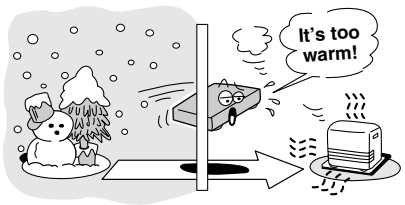
Moisture condensation damages the unit. Please read the following carefully.

Moisture condensation occurs, for example, when you pour a cold drink into a glass on a warm day. Drops of water form on the outside of the glass. In the same way, moisture may condense on the optical pick-up lens inside this unit, one of the most crucial internal parts of the unit.



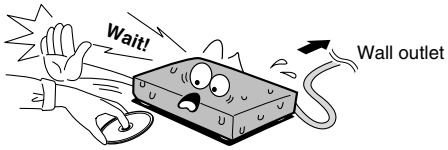
■ Moisture condensation occurs during the following cases.

- When you bring the unit directly from a cold place to a warm place.
- When you use the unit in a room where you just turned on the heater, or a place where the cold wind from the air conditioner directly hits the unit.
- In summer, when you use the unit in a hot and humid place just after you move the unit from an air conditioned room.
- When you use the unit in a humid place.



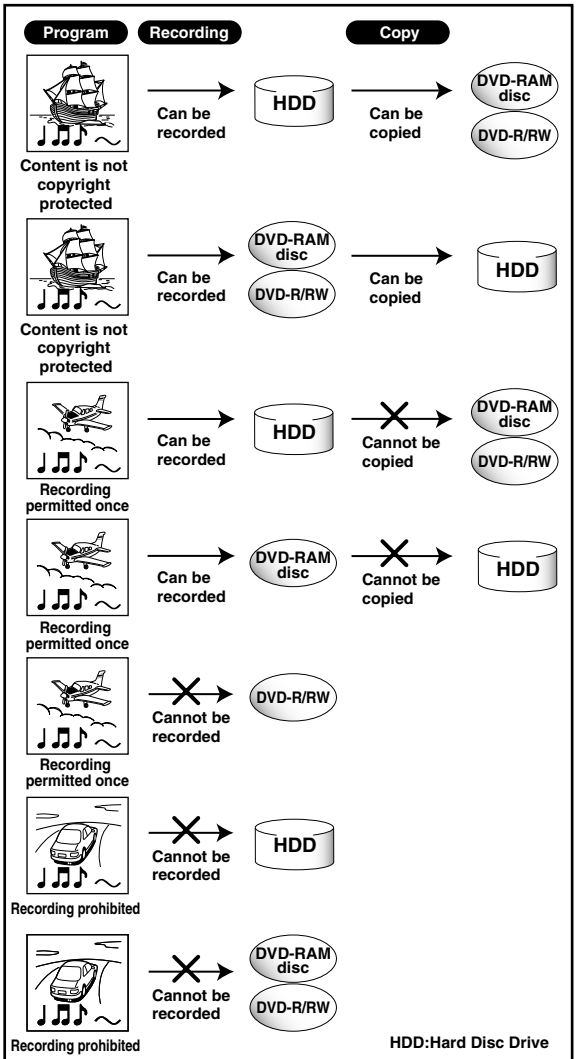
■ Do not use the unit when moisture condensation may occur.

If you use the unit in such a situation, it may damage discs and internal parts. Connect the power cord of the unit to the wall outlet, turn on the unit, remove the disc, and leave it for two or three hours. After two or three hours, the unit will have warmed up and evaporated any moisture. Keep the unit connected to the wall outlet and moisture condensation will seldom occur.



Notes on copyright

- This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.
- This unit incorporates CPRM (Content Protection for Recordable Media) technology for copyright protection in recording devices, authorized by DVD forum. Recording and copying on this recorder depend on the contents as described next page.



- Content that can be recorded once can only move from the HDD to a DVD-RAM disc. (The original one is deleted after moving to a DVD-RAM disc.)

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The TV Guide On Screen system is manufactured under license from Gemstar-TV Guide International, Inc. and/or one of its affiliates.

The TV Guide On Screen system is protected by one or more of the following issued United States patents 6,498,895, 6,418,556, 6,331,877; 6,239,794; 6,154,203; 5,940,073; 4,908,713; 4,751,578; 4,706,121.

Manufactured under license from QSound Labs, Inc. U.S. patent Nos. 5,105,462, 5,208,860 and 5,440,638 and various foreign counterpart. Copyright QSound Labs, Inc. 1998-2002. QXpander™ is a trademark of QSound Labs, Inc. All rights reserved.

Installation procedure

Read carefully "SAFETY PRECAUTIONS", "IMPORTANT SAFETY INSTRUCTIONS" and "Precautions".
(⇨ pages 2 to 9)

Check the supplied accessories.
(See right)

Load the batteries in the remote control.
(⇨ page 18)

Connect an antenna to the recorder.
(⇨ page 20)
Connect a cable box or satellite system to the recorder.
(⇨ pages 22 to 25)

Connect the recorder to a TV.
(⇨ pages 20 to 21, 28)

Connect optional equipment to the recorder.
(⇨ page 29)

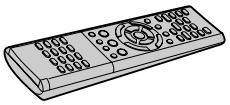
Turn the power on.
(⇨ page 32)

Set up the TV Guide On Screen® interactive program guide. (⇨ page 34)

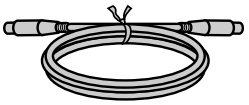
Your recorder is ready. Read the separate volume "OPERATIONS GUIDE".

Accessories

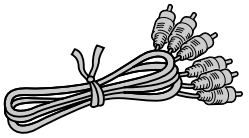
Remote control
Batteries (AAA) x 2



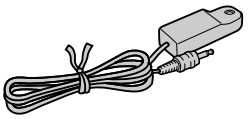
Coaxial cable



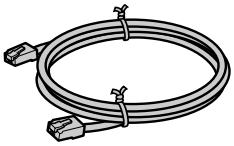
Video/Audio cable



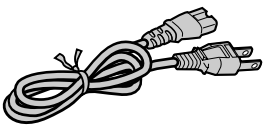
G-LINK® cable



LAN cable



Power Cord



- **Owner's manual (INSTALLATION GUIDE)**
- **Owner's manual (OPERATIONS GUIDE)**

About this product

Some differences

Because of its recording capacity and hard disc drive (HDD), this DVD recorder operates more like a computer and differently than a standard DVD player. In addition to containing a microprocessor, it contains a HDD, an operating system, random access memory (RAM), and a DVD-RAM/R/RW drive. The operating system includes software stored on the HDD that is transferred to the RAM when the machine is turned on and at other times during operation. This transfer can take time. Therefore, when you turn the DVD recorder on, it may take a little while before it is ready to use. Likewise, other functions may not be performed as quickly as they would on other AV equipment. Additionally, because programs stored on the DVD-RAM/R/RW drive cannot be accessed as quickly as those stored on the HDD, accessing those programs (or deleting a program from a DVD-RAM disc) may take more time. Please take these factors into consideration as you use the DVD recorder.

About the hard disc drive (HDD)

Like any HDD, the HDD in the DVD recorder is a fragile device that is susceptible to partial or complete failure if it is jarred or as a result of use over time. It will not last forever. Therefore, do not use the HDD for longer term storage of programs you wish to retain. [If portions of the HDD become damaged, programs recorded on those portions may exhibit pixelization or block noise when played back. Repeated playback of the program may cause the problem to get worse and, eventually, the program may become unplayable. Accordingly, if you notice such noise in a program that you want to save, you should transfer to a recordable DVD disc as soon as possible.] Recordable DVD discs are also susceptible to damage if not handled and stored carefully and some or all of the programs on them may become unplayable. You can reduce these risks by using high quality DVD recordable discs and checking their playability from time to time. If it becomes necessary to service your DVD recorder, it may be necessary to delete some or all of the programs on the HDD.

Playback restrictions

This owner's manual explains the basic instructions for this recorder. Some DVD video discs are produced in a manner that allows specific or limited operation during playback. As such, the recorder may not respond to all operating commands. This is not a defect in the recorder. Please refer to the notes on compatible discs later in this Introduction and to the discussion of DVD playback and features later in this manual.

"⃠" may appear on the TV screen during operation.
"⃠" means that the operation is not permitted by the recorder or the disc.

Recording restrictions and copyright

Copy-protected contents of DVD-Video discs, VIDEO CDs or audio CDs on the market cannot be copied on this recorder. Contents without copy protection should be copied or edited only in accordance with applicable copyright laws, which may restrict copying or editing. Contents that permit single copying (copy once contents) can be recorded onto DVD-RAM discs, with some dubbing and editing restrictions. DVD-R/RW discs cannot record these contents.
The unauthorized recording, use, distribution, or revision of copyrighted materials including, without limitation, television programs, videotapes, and DVDs, is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.

Compatibility

In isolated cases, a disc bearing the DVD or CD logo may not fully and properly play back all features or as intended by the creator of the disc. This can be due, among other reasons, to problems and errors that can occur during the creation or recording of DVD and other software and the manufacture of software discs (including blank discs). Moreover, because of variations in the quality of discs, this recorder may not be able to record on all discs that bear a DVD-RAM, DVD-R or DVD-RW logo, but you should not encounter difficulty if you use only high quality recordable DVD discs. Additionally, discs recorded in this device may not operate properly in other DVD players, recorders and/or personal computer drives. If you happen to encounter difficulties playing or recording a DVD disc or playing a CD disc, please feel free to call our Customer Service Hotline at 1-800-319-6684.

Choosing a disc

When you want to play DVD or CD software or copy programs from the HDD to a recordable DVD, load an appropriate disc into the recorder. There are many types and formats of discs. Please use the following information to select an appropriate disc.

Notes

- Handle the disc according to the disc instruction manual.
- Because of problems and errors that can occur during the creation of DVD and CD software and/or the manufacture of DVD and CD discs, Toshiba cannot assure that this HDD/DVD Video Recorder will successfully play every disc bearing the DVD and CD logos. Additionally, Toshiba cannot assure that discs recorded in this HDD/DVD Video Recorder will successfully play in other DVD players, recorders and/or personal computer drives. If you happen to experience any difficulty playing a DVD and/or CD disc on this HDD/DVD Video Recorder, please contact Toshiba Customer Service.

For recording / playback

Disc	Mark	Specification	Remarks
DVD-RAM	DVD RAM RAM4.7	• Single sided 4.7GB (12cm (4 3/4 in.)) • Double sided 9.4GB (12cm (4 3/4 in.))	Read carefully the section “On DVD-RAM discs” (⇨ page 14). Select a DVD-RAM disc that shows a statement on its package such as “this disc can be used with video recorders and drives compatible with 4.7GB DVD-RAM discs” or “this disc can copy images that permit single copying.”
DVD-R	DVD R R4.7	• 4.7GB For General Ver.2.0/2.1 (12cm (4 3/4 in.))	Read carefully the section “On DVD-R discs” (⇨ page 15). Depending on the disc status or the recording equipment, playback of the disc may not be possible on this recorder.
DVD-RW	DVD RW	• Ver. 1.1 or later (12cm (4 3/4 in.))	Read carefully the section “On DVD-RW discs” (⇨ page 15). Depending on the disc status or the recording equipment, playback of the disc may not be possible on this recorder.

Using different disc types for different purposes

DVD-RAM discs for your personal library

DVD-RAM discs comply with the global standard DVD-VR (Video Recording) format, and are optimized for recording of TV programs. You can rewrite repeatedly without deterioration of an image quality, erase unnecessary parts, divide a chapter, or specify playback area by frame. Its cartridge is suitable for a longer-term storage and family use, and its large capacity of 9.4 GB allows more recording space.

DVD-R/RW discs when creating your own original discs for distribution

DVD-R discs are designed to comply with the global standard DVD-Video format, and can be recorded only once. DVD-R discs are convenient when you edit your original content (recorded personal events such as a wedding party) with this recorder, transfer them to the recorder and make copies to send to your friends or relatives. The discs can be played on other compatible DVD players. DVD-RW discs, which are rewritable, can be used as well.

* DVD-R and DVD-RW may not be the best suited format for recording TV programs. Because of the way the discs are formatted, it may not be possible to edit or divide the program as you may prefer, to record secondary languages, or programs that are copy protected in a way that allows only one copy. (NOTE: “Copy once” protected programs generally can be recorded to DVD-RAM discs.)
* This recorder records on a DVD-R/RW disc in DVD-Video format only.
* On DVD-R/RW discs, direct recording, copying or the method “Creating a DVD-Video using DVD-R/RW” (⇨ page 112 in “OPERATIONS GUIDE”) are available.

For playback only

Disc	Mark	Specification	Remarks
DVD video disc		• 12cm (4 3/4 in.) / 8cm (3 1/4 in.) • Region number • Color system: NTSC	The region number of this DVD recorder is 1. If region numbers, corresponding to a specific playable area, are printed on your DVD video disc and you do not find or , or the disc is encoded to permit playback only in regions other than Region 1, disc playback will not be allowed by the recorder.
VIDEO CD		• 12cm (4 3/4 in.) / 8cm (3 1/4 in.) • Color system: NTSC • Version 1.1 and 2.0	
Audio CD		• 12cm (4 3/4 in.) / 8cm (3 1/4 in.)	
CD-R **CD-RW**		• 12cm (4 3/4 in.) • CD-DA (audio CD) format	Depending on the disc status, playback may not be possible.

- You cannot play discs other than those listed above.
- You cannot play non-standardized discs even if they may be labeled as above.
- You cannot play discs with specialized encoding (such as SACD discs) or the DVD audio portions of DVD Audio discs.
- This recorder uses the NTSC color system, and cannot play DVD video discs recorded in any other color system (PAL, SECAM, etc.), even if they have region marks or .
- Toshiba cannot guarantee that all discs bearing the DVD or CD logos will operate as expected. Please see the discussion of compatibility on page 11.

- Toshiba is not liable for any damage or loss caused directly or indirectly by the malfunction of this recorder, including, without limitation, any one of the following:
  - Failure to record contents intended to be recorded by the consumer.
  - Failure to edit contents as intended by the consumer.
  - When a DVD-RAM disc or a DVD-R/RW disc created on this recorder is used (e.g., insertion, playback, recording or editing) in another DVD player, recorder or personal computer drive.
  - When a DVD-RAM disc or a DVD-R/RW disc that is used in the manner described in the immediately preceding bullet point is used again in this recorder.
  - When a DVD-RAM disc or a DVD-R/RW disc that was recorded in another DVD recorder, or in a personal computer drive is used in this recorder.
- Some functions such as Library may not work with personal computer discs.
- Discs recorded in this recorder may not operate as expected on other DVD players, recorders or personal computer drives.

DVD is a trademark of DVD Format/Logo Licensing Corporation.

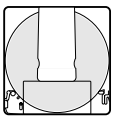
On DVD-RAM discs

■ Use only DVD-RAM discs that comply with DVD-RAM standard Version 2.0, 2.1 or 2.2.

The recorder cannot record on a disc formatted in any other standard. When using such a disc, initialize it by using the disc-format function of this recorder.

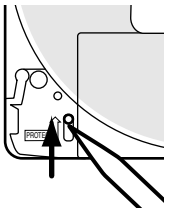
- The recorder may not record, dub, or edit some DVD-RAM discs, because they are edited/recorded with another manufacturer's equipment or PC, contain a large number of titles, or have little remaining capacity. Also, a DVD-RAM disc may not be edited or recorded if its title contains still pictures.
- DVD-RAM discs formatted in UDF2.0 on a PC are not compatible with this recorder. Before using these discs, initialize them on this recorder.
- This recorder complies with current copyright protection technology and can copy a disc only when the disc permits copying once. When there is no indication on the disc, copying will not be allowed. Such an indication on a disc is required also for the Library Management database.

■ DVD-RAM discs with cartridges are recommended for recording.

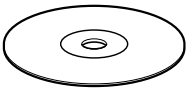


- Two types of DVD-RAM discs are available: ones with cartridges and ones without cartridges. You can use either of them with this recorder, but the former ones are recommended.
- In order to record highly detailed data, make sure the disc is clean. DVD-RAM discs with cartridges are easier to handle in this regard.
- Do not open the cartridge shutter. The disc may not play, or may not be recorded or edited once it becomes dirty.
- There are two types of DVD-RAM cartridges; removable (TYPE 2/4) and not removable (TYPE 1). It is recommended you do not remove the disc even when you can.
  Refer to the instruction manual that comes with the disc if it is absolutely necessary to remove the disc.
- Some commercially available cartridge discs cannot be recorded or edited once the inside discs are removed.

- **To protect recorded contents**
  Slide the write-protect tab to "PROTECT" with something small enough. The disc can play, but cannot be edited or erased. Refer to the instructions that come with the disc.



■ When using a disc without a cartridge (commercially available discs)



- Discs without cartridges can easily attract fingerprints and dust, which is the reason they are not recommended. If you cannot avoid using them, handle with proper care.
- When you write in a title column on a disc, use a pen with a soft tip. Do not use a pen with a hard tip, such as a ballpoint pen.

Our recommendation

The following discs have been tested with this recorder:
9.4 GB double-sided cartridge: Panasonic 2X, 3X, 5X
4.7 GB single-sided cartridge: Panasonic 2X, 3X, 5X

On DVD-R discs

■ Standards

- DVD-R for General Ver.2.0 discs can be used for recording and playback.
- Discs compatible with the following recording speeds can also be used:
  Ver. 2.0/2X
  Ver. 2.0/4X
  Ver. 2.0 or 2.1/8X
  Ver. 2.0 or 2.1/16X
- Select discs labeled “for video,” “for recording,” “120 min.” etc.

■ Recording conditions

- Images for which copying is prohibited or restricted (copy once or copy prohibited) cannot be recorded. Even if the disc is labeled as CPRM compatible, this recorder can only be used to record copy-free material.
- DVD-VR mode recording is not possible.

■ Our recommendation

That’s (Taiyo-Yuden) 4X, 8X
Maxell 4X, 8X

On DVD-RW discs

■ Standards

- Discs labeled DVD-RW Ver.1.1 or 1.2 can be used.
- Discs compatible with the following recording speeds can also be used:
  Ver. 1.1/2X
  Ver. 1.2/4X
  Ver. 1.2/6X
- Select discs labeled “for video,” “for recording,” “120 min.” etc.

■ Recording conditions

- Images for which copying is prohibited or restricted (copy once or copy prohibited) cannot be recorded. Even if the disc is labeled as CPRM compatible, this recorder can only be used to record copy-free material.
- DVD-VR mode recording is not possible.

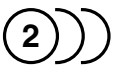
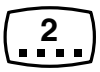
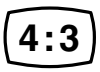
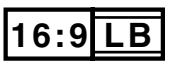
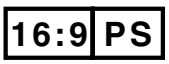
■ Our recommendation*

JVC 2X, 4X

* Operation has been confirmed with recommended discs and tested disc, but some other discs may not be usable.

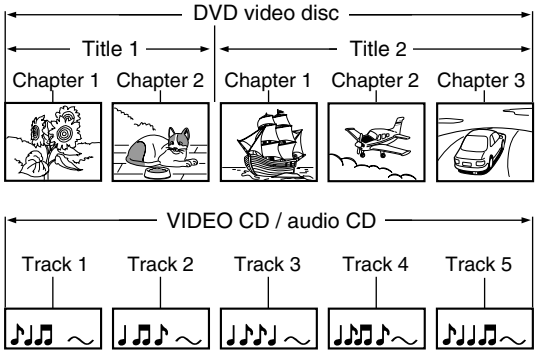
Marks on DVD video discs

The following are examples of marks and the meanings.

Mark	Meanings
	Number of audio streams recorded in the disc. (2 streams such as English and Japanese in this example.)
	Number of subtitle languages recorded in the disc. (2 subtitle languages are recorded in this example.)
	Number of camera angles recorded in the disc. (3 camera angles are recorded in this example.)
	Pictures are recorded in the standard picture shape (4:3 aspect ratio).
	Pictures are recorded in the letter box picture shape (4:3 aspect ratio with horizontal black bars in the top and bottom of pictures).
	Pictures are recorded in the 16:9 wide picture shape. TVs with 4:3 aspect ratio will display them in the letter box style.
	Pictures are recorded in the 16:9 wide picture shape. TVs with 4:3 aspect ratio will display them in the pan scan style (one or both sides of pictures are cut).
	Actual picture shape may vary depending on the aspect ratio or mode selection of the TV.

Structure of disc contents

Normally, DVD video discs are divided into titles, and the titles are subdivided into chapters.
VIDEO CDs/audio CDs are divided into tracks.



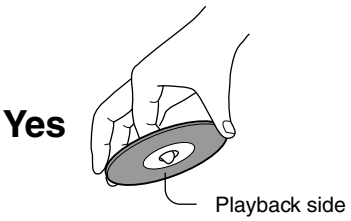
Title: Divided contents of a DVD video disc. Roughly corresponds to a story title in short stories.
Chapter: Divided contents of a title. This corresponds to a chapter in a story.
Track: Divided contents of a VIDEO CD or an audio CD.

Each title, chapter, or track is assigned a number, which is called “title number”, “chapter number”, or “track number” respectively.
Some discs may not have these numbers.

When you record on the HDD or a DVD-RAM disc, one recording will always equal one title. You can divide a title into several chapters by marking borders in it to facilitate scene search.

On handling discs

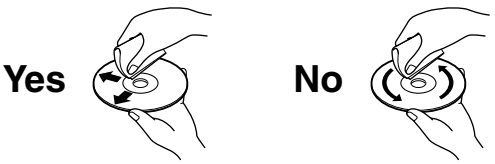
- Do not touch the playback side of the disc.



- Do not stick paper or tape to discs.

On cleaning discs

- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the center outwards with a soft cloth. Always keep the disc clean.



- Do not use any type of solvent such as thinner, benzine, commercially available cleaners or antistatic spray for vinyl LPs. It may damage the disc.

On storing discs

- Do not store discs in a place subject to direct sunlight or near heat sources.
- Do not store discs in places subject to moisture and dust such as a bathroom or near a humidifier.
- Store discs vertically in a case. Stacking or placing objects on discs outside of their case may cause warping.

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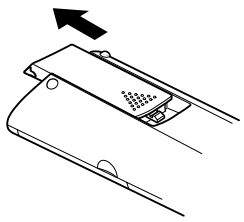
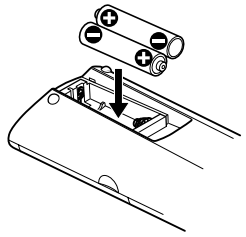
Preparation of the remote control

1 Open the cover.

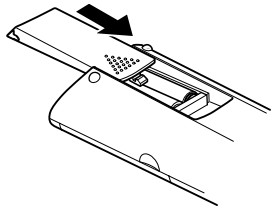


2 Insert batteries (AAA size).



Make sure to match the + and – on the batteries to the marks inside the battery compartment.

3 Close the cover.



Caution

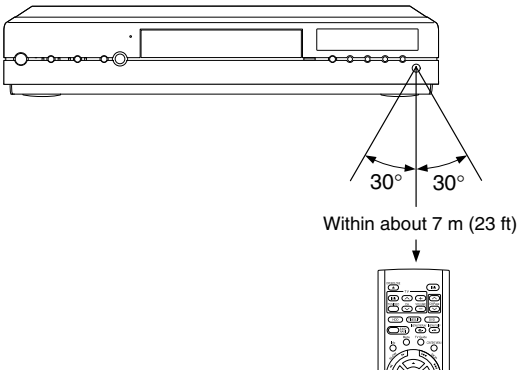
- Never throw batteries into a fire.

Notes

- Be sure to use AAA size batteries.
- Dispose of batteries in a designated disposal area.
- Batteries should always be disposed of with the environment in mind. Always dispose of batteries in accordance with applicable laws and regulations.
- If the remote control does not operate correctly, or if the operating range becomes reduced, replace batteries with new ones.
- When necessary to replace batteries in the remote control, always replace both batteries with new ones. Never mix battery types or use new and used batteries in combination.
- Always remove batteries from remote control if they are dead or if the remote control is not to be used for an extended period of time. This will prevent battery acid from leaking into the battery compartment.

■ Operating with the remote control

Point the remote control at the remote sensor and press the buttons.



Distance : About 7 m (23 ft) from the front of the remote sensor

Angle : About 30° in each direction of the front of the remote sensor

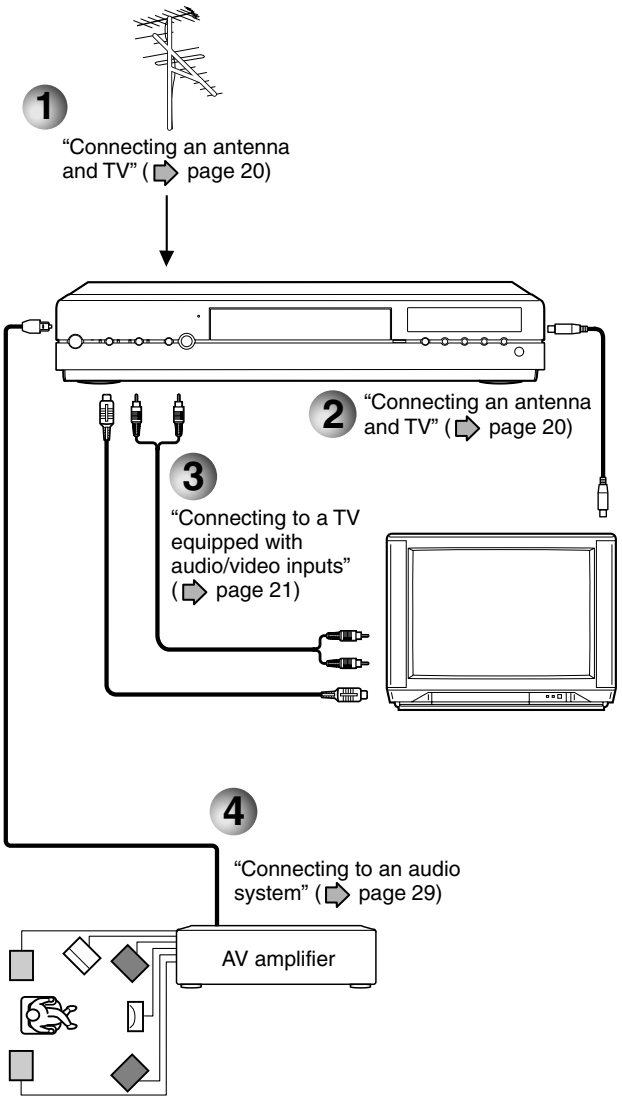
* Do not expose the remote sensor of the recorder to a strong light source such as direct sunlight or other illumination. If you do so, you may not be able to operate the recorder via the remote control.

Notes

- Do not drop or give the remote control a shock.
- Do not leave the remote control near an extremely hot or humid place.
- Do not spill water or put anything wet on the remote control.
- Do not disassemble the remote control.

CAUTION: RISK OF EQUIPMENT DAMAGE!
Never plug in any power cords until you have finished connecting all equipment

Connection procedure


1
"Connecting an antenna and TV" (page 20)
2
"Connecting an antenna and TV" (page 20)
3
"Connecting to a TV equipped with audio/video inputs" (page 21)
4
"Connecting to an audio system" (page 29)
AV amplifier

■ **When you connect a TV equipped with audio/ video inputs**
Perform steps 1, 2 and 3.

■ **When you connect an audio system**
Perform steps 1, 2, 3 and 4.

Connections

Connect your recorder to your TV or stereo system.

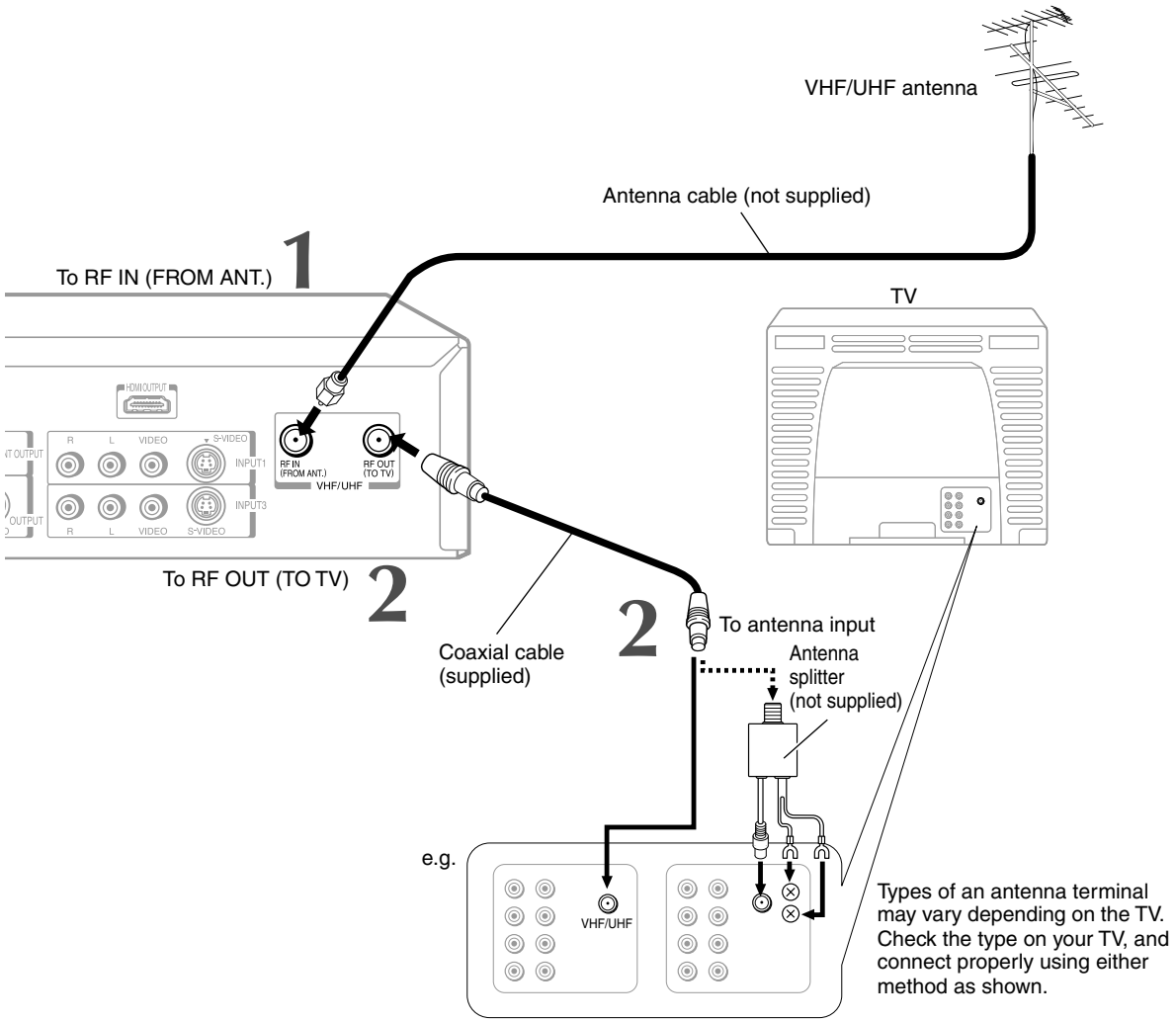
- **Connecting an antenna and TV**
- **Connecting to cable TV signal**
- **Connecting to a satellite system**
- **Connecting the G-LINK® cable**
- **Connecting to a TV with the HDMI terminal**
- **Connecting to a TV equipped with component video inputs**
- **Connecting to an audio system**

Connecting an antenna and TV

Connect your TV and the antenna to this recorder for recording and to view broadcast signals on the TV.

1 Disconnect the antenna cable from your TV, and connect it to the RF IN (FROM ANT.) terminal on the recorder.

2 Using the supplied coaxial cable of this recorder, connect the RF OUT (TO TV) terminal to the TV.



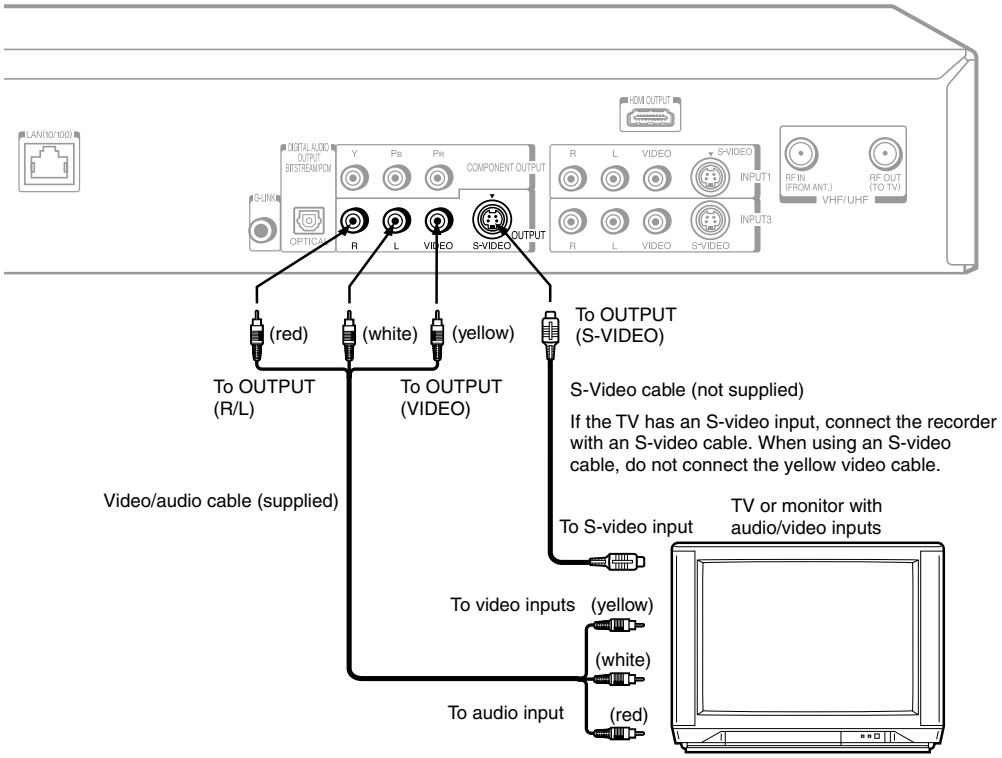
For connecting to a cable box or a satellite system, see ⇨ page 22 to 25.

Note

- This connection ensures broadcast signals to be passed through to your TV. Unlike a VCR, you cannot assign channel 3 or 4 to playback from this recorder. The antenna input only passes through the broadcast signals to your TV. Therefore to playback video from this recorder you must connect it to a video input on your TV. (See the next page.)

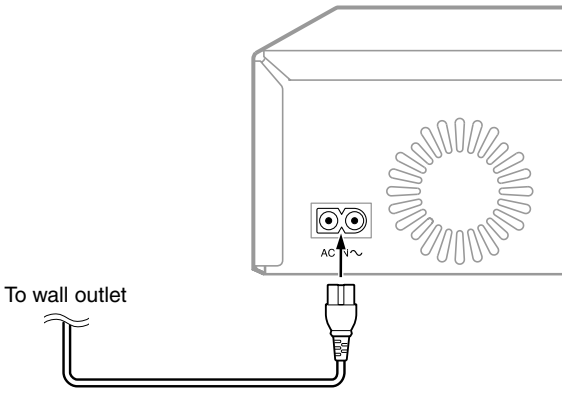
3 Connect to a TV equiped with audio/video inputs.

Connect as below for watching received channels or recorded contents. Watching via the RF OUT terminal is not available.



4 Connect the power cord of the recorder to a wall outlet.

Make sure that the powered recorder lights the ON/STANDBY indicator on the front panel.

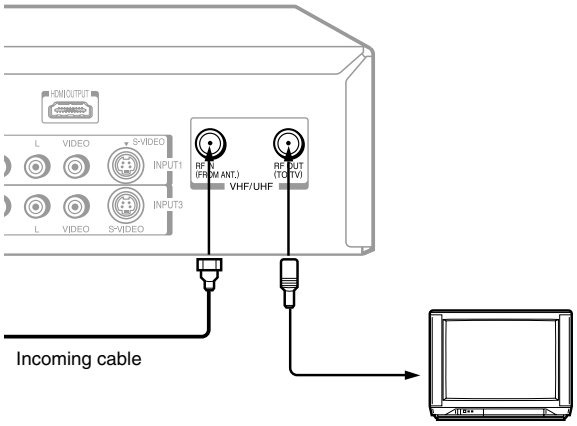


Notes

- Refer to the owner's manual of the connected TV as well.
- When you connect the recorder to your TV, be sure to turn off the power and unplug both units from the wall outlet before any connections.
- If your television set has one audio input, connect the left and right audio outputs of the recorder to a Y cable adapter (not supplied) and then connect to your TV.
- Connect the recorder directly to your TV. If you connect the recorder to a VCR, TV/VCR combination, video selector or AV amplifier, the playback picture may be distorted due to copy protection.

Connecting to cable TV signal

Choose one of the setup options below to connect the recorder to your cable signal. Connect the recorder to the TV using the audio/video cable.

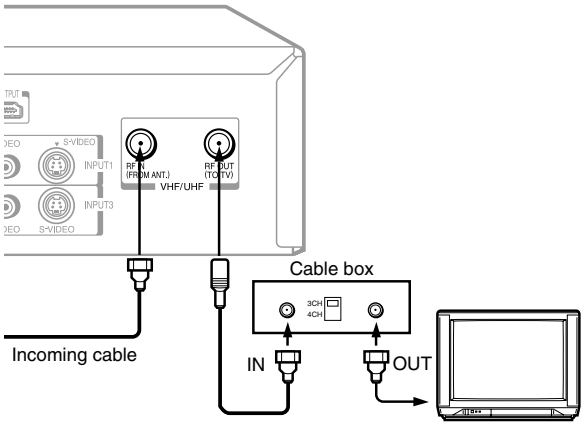


This set-up will allow you to:

– record an unscrambled channel.
– record an unscrambled channel while watching another (only when you connect a cable-compatible TV).

You will need to:

• on your TV select a desired channel to watch while recording a different channel using the recorder.

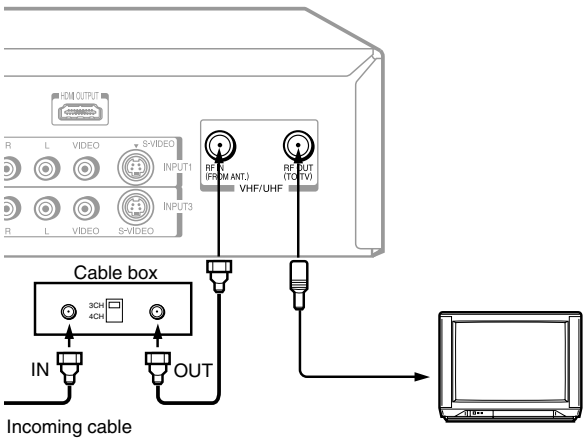


This set-up will allow you to:

– record an unscrambled channel.
– record an unscrambled channel while watching another (scrambled or unscrambled).

You will need to:

• set TV channel to the output channel of the cable box.
• to record an unscrambled channel while watching a scrambled channel, select a desired cable channel via the cable box.



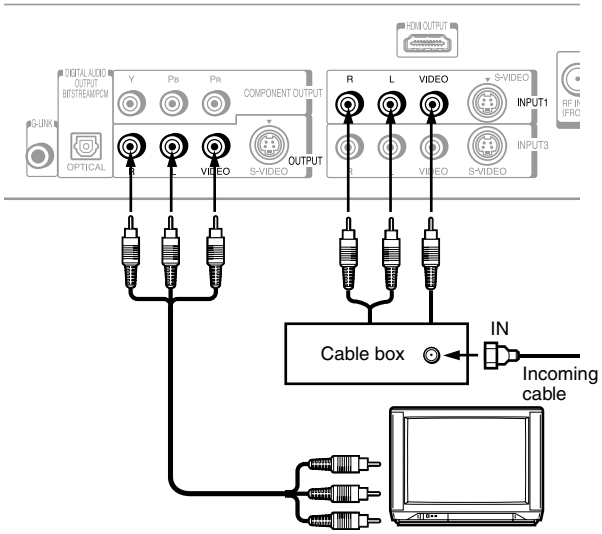
This set-up will allow you to:

– record any channels through the cable box.

You will need to:

• select a desired cable channel via the cable box.
• while the recorder is turned off, set TV channel to the output channel of the cable box.

To download program listings the TV Guide On Screen® system needs to be able to change channels on your cable box when the recorder is not in use. Please connect the supplied G-LINK® cable to the G-LINK jack of the recorder. After you connect the G-LINK® cable you will be able to control your cable box using the recorder's remote control. page 25



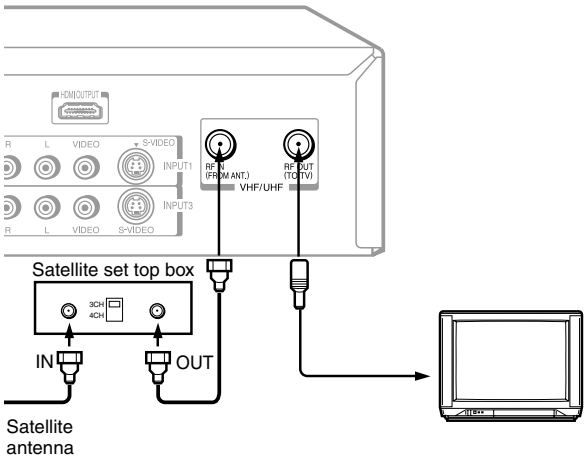
This set-up will allow you to:

– watch or record a channel through the cable box via the INPUT1 (VIDEO/L/R) jacks.

To download program listings the TV Guide On Screen® system needs to be able to change channels on your cable box when the recorder is not in use. Please connect the supplied G-LINK® cable to the G-LINK jack of the recorder. After you connect the G-LINK® cable you will be able to control your cable box using the recorder's remote control. page 25

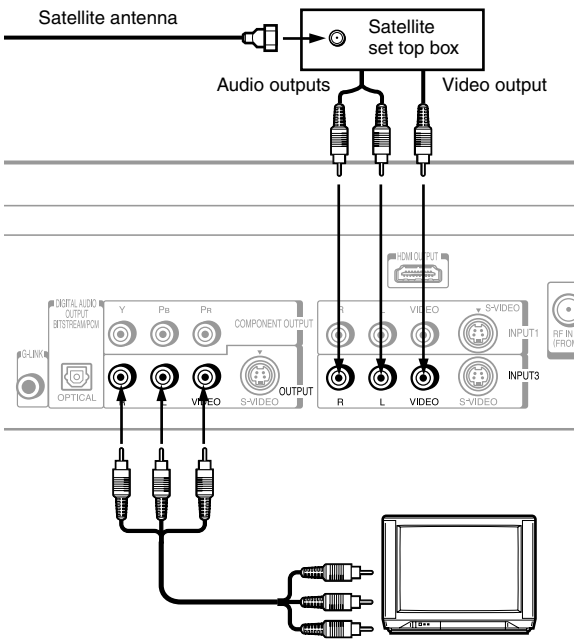
Connecting to a satellite system

Choose one of the following according to your type of satellite set top box.



When the satellite set top box does not have audio/video outputs

1 Connect a satellite antenna to the satellite set top box.
2 Connect the RF IN (FROM ANT.) terminal on the recorder and the RF OUT terminal of the satellite set top box.
3 Connect the RF OUT (TO TV) terminal on the recorder and the antenna input connector of the TV.



When the satellite system has audio/video outputs

1 Connect a satellite antenna to the satellite system.
2 Connect the INPUT3 (VIDEO/L/R) jacks on the recorder and the audio/video output jacks of the satellite system.
3 Connect the OUTPUT (VIDEO/L/R) jacks on the recorder and the audio/video input jacks of the TV.
4 Connect the RF OUT (TO TV) terminal on the recorder and the antenna input connector of the TV.

Note

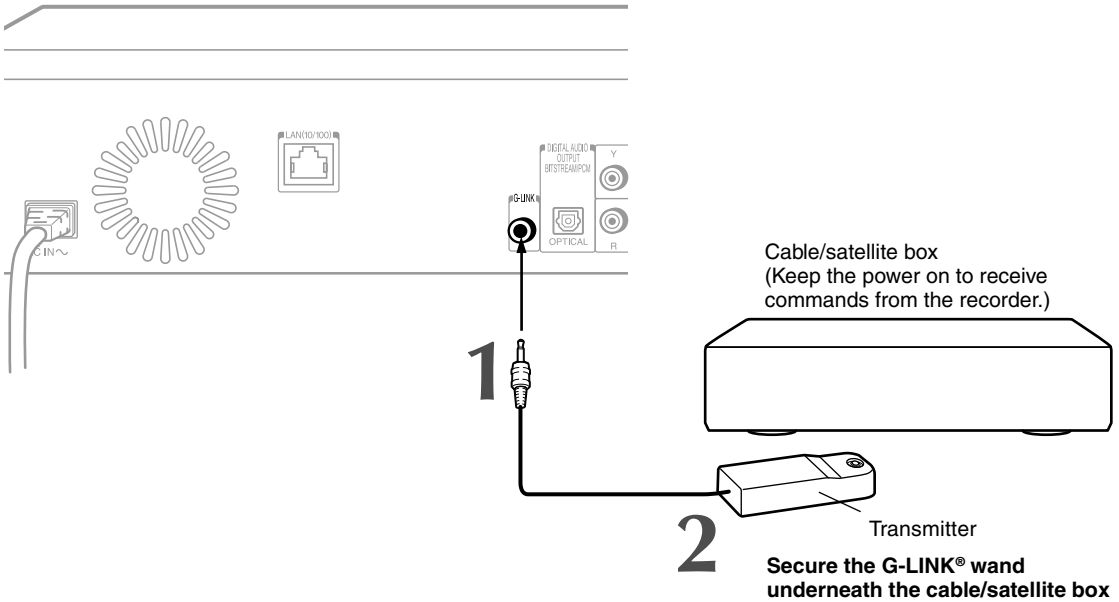
• If you use the DSS set top box control function (page 42), connect your satellite set top box to the INPUT3 jacks and make the G-LINK® connection (page 25).

Connecting the G-LINK® cable

To download program listings the TV Guide On Screen® system needs to be able to change channels on your cable box when the recorder is not in use. Please connect the supplied G-LINK® cable to the G-LINK jack of the recorder. After you connect the G-LINK® cable you will be able to control your cable box using the recorder's remote control. To connect the G-LINK® cable follow the instructions below. Also, if you have a satellite box and you want to use the DSS set top box control function, make this connection between the satellite box and the recorder.

1 Connect the plug of the supplied G-LINK® cable to the G-LINK jack on the recorder.

2 Place the transmitter near the cable/satellite box connected to the recorder.



Secure the G-LINK® wand underneath the cable/satellite box so that the wand's IR lens faces the front of cable/satellite box. Ensure the G-LINK® wand is at a distance of about one inch from the cable/satellite box IR sensor. If you cannot control your cable/ satellite box, try to adjust the distance or put the G-LINK® wand at another place.

After connecting, make the necessary settings (page 34).
When you use the recorder for the first time, also make the settings.

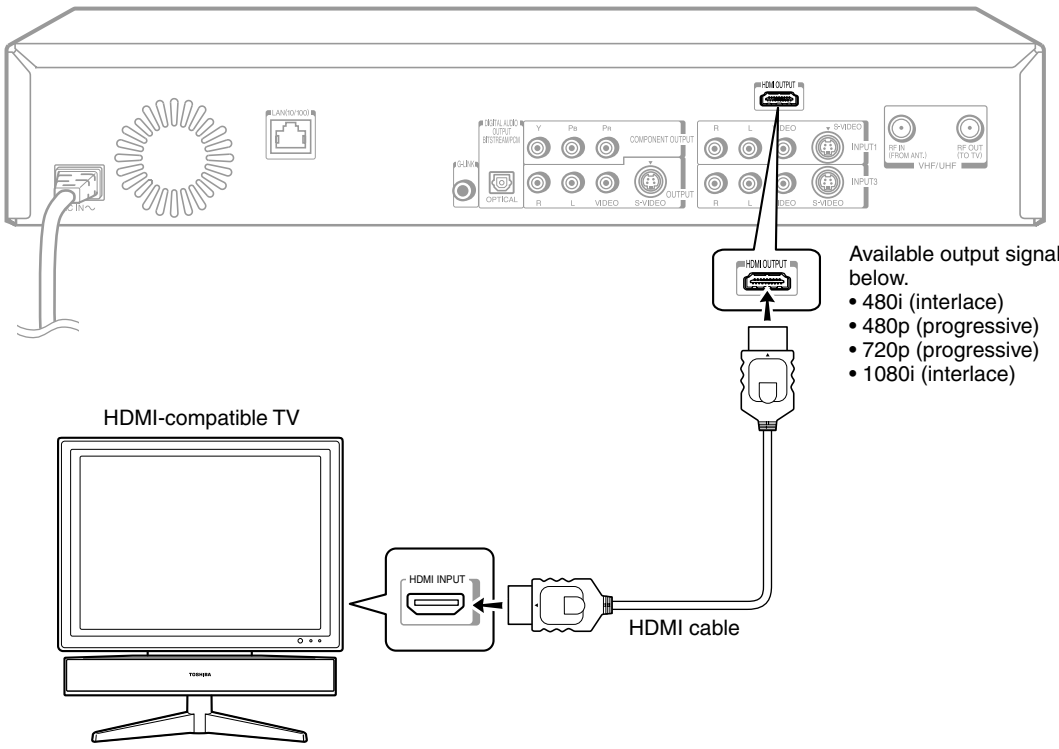
Notes

- Do not connect an accessory other than the supplied G-LINK® cable to the G-LINK jack.
- Do not cover the transmitter.
- The TV Guide On Screen® interactive program guide supports cable-ready and cable box as well as over-the-air broadcast. It does not provide listings for satellite services. TV Guide program data and schedules are updated daily through your antenna or cable system once you have completed the TV Guide On Screen® setup.
- Refer to the owner's manual of the connected cable/satellite box as well.
- Power off the recorder overnight or when not in use to allow the TV Guide On Screen® system to receive and update its listings. If a cable box is connected to this recorder, leave the cable box turned on at all times.
  Program listings should start displaying within 24 hours after setting up the TV Guide On Screen® system (page 34).

Connecting to a TV with the HDMI terminal

About HDMI™

HDMI stands for High Definition Multimedia Interface. HDMI transfers digital audio and uncompressed digital video on a single cable. As a result, audio cables and video cables don't need to be connected separately to a device. In addition, HDMI is compatible with HDCP (High Bandwidth Digital Content Protection).

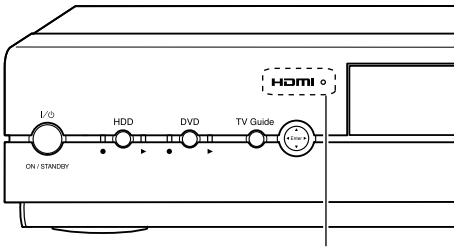


Notes

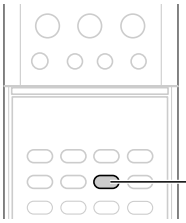
- Refer to the owner's manual for the TV to be connected to this recorder for more information concerning HDMI connections.
- When the HDMI connection is not verified, the error message appears on the screen or the front panel display. In this case, disconnect the HDMI cable then connect it again, or turn off the connected HDMI device then turn it on. Depending on content, the message doesn't appear on the screen with only the HDMI connection. To see the error message, connect your TV to Video output or S-Video output.
- When the HDMI connection is not verified, content that can only be recorded one time and content that can never be recorded cannot be played back on an HDMI-compatible TV through this recorder (content that is not copyright protected can be played back.).
- HDMI connections with this recorder is not available with VGA output.
- HDMI is an evolving technology, so it is possible that some devices may not operate properly with this recorder.
- Be sure to use an HDMI cable with the HDMI logo (HDMI™) to connect an HDMI device.

Setting the output resolution for the HDMI™ output that best matches your TV's capabilities

Set an output signal from the HDMI OUTPUT terminal of the recorder in accordance with your TV's input signal.



HDMI indicator



PROG/HDMI

Pressing PROG/HDMI button on the remote control changes output signals as below. Select the appropriate output signal.

HDMI indicator	Video output signal*
illuminates	480i (interlace)
Press ↓	
illuminates	480p (progressive)
Press ↓	
illuminates	720p (progressive)
Press ↓	
illuminates	1080i (interlace)

480p, 720p and 1080i are signals created with this recorder from original 480i signal. The resolution of the picture may not be increased even if they are selected.

* Displayed on the TV screen and the display on the front panel. "– – –" appears when the HDMI OUTPUT terminal is not connected or the HDMI connection is not verified.

Notes

- PROG/HDMI button is not available during the operations below.
  - All HDD title delete
  - HDD format
  - DVD-RAM physical format
  - DVD format
  - TIME SLIP (Pause TV/Chase Play)
  - Rate conversion dubbing (Only when copying is in progress.)
  - DVD-Video creation (EDIT MENU) (Only when copying is in progress.)

  (Some other operations may disable this button.)
- The HDMI indicator does not illuminate when the HDMI OUTPUT terminal is not connected or the HDMI connection is not verified.

Audio setting for the HDMI™ connection

Set "Audio out select" (page 46) of "Picture/Audio settings" to "HDMI-Auto".

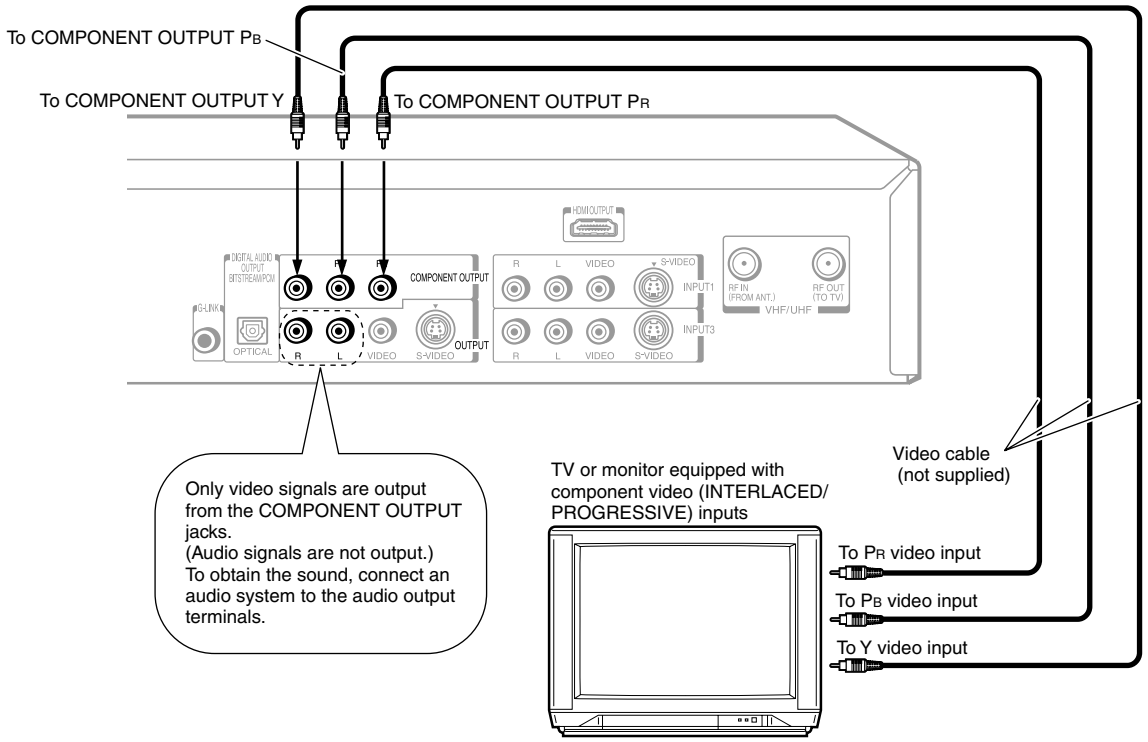
Notes

- When the HDMI connection is used, "Output Black level", "Custom picture select" and "Custom picture setting" of "Picture/Audio settings" are not available.
- Depending on the equipment connected to this recorder, such as a TV or a projector, no sound may be output. In this case, set "Audio out select" (page 46) to "PCM".

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

Connecting to a TV equipped with component video inputs

If your TV has component video inputs, you can obtain pictures in better quality than via standard composite video input.



■ **Component video outputs/inputs**

Some TVs or monitors are equipped with component video inputs. Connecting to these inputs allows you to enjoy higher quality picture playback.

Actual labels for component video inputs may vary depending on the TV manufacturer. (ex.Y, R-Y, R-B or Y, C_B, C_R)

In some TVs or monitors, the color levels of the playback picture may be reduced slightly or the tint may change. In such a case, adjust the TV or monitor for optimum performance.

• Make the following setting.

On-screen display	Select	Page
“Audio out select”	“Analog 2ch”	page 46

To switch the output signal (Progressive/Interlaced)

PROG/HDMI

Press PROG/HDMI button to change the video output signals (progressive and interlace) from COMPONENT OUTPUT jacks.

PROGRESSIVE indicator on the front panel	Output signal from the COMPONENT OUTPUT jacks
off	480i
Press	
illuminates	480p
Press	
illuminates	480p
Press	
illuminates	480p

You may need to press the PROG/HDMI button up to 3 times to return to interlace output.

Notes

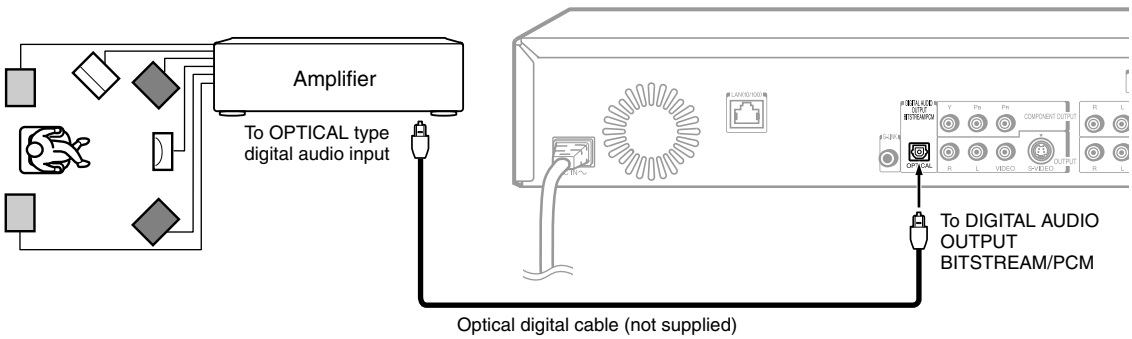
- Refer to the owner’s manual for the TV to be connected to this recorder for more information concerning an audio system.
- If you place the recorder near a tuner or radio, the radio broadcast sound might be distorted. In this case, place the recorder away from the tuner and radio.
- The output sound of the recorder has a wide dynamic range. Be sure to adjust the audio amplifier’s volume to a moderate listening level. Otherwise, the speakers and your hearing may be damaged by sudden high volume sound.
- Turn off the amplifier before you connect or disconnect the recorder’s power cord. If you leave the amplifier power on, the speakers may be damaged.
- Consumers should note that not all high definition television sets are fully compatible with this product and may cause artifacts to be displayed in the picture. In case of 525 progressive scan picture problems, it is recommended that the user switch the connection to the “Standard Definition” output. If there are questions regarding our TV set compatibility with this model 525p DVD player, please contact our Customer Service Center.

Connecting to an audio system

You can enjoy multichannel surround-sound such as 5.1 channel by connecting to an amplifier compatible with Dolby® Digital and DTS® sound.

- For connection to your TV, see pages 20 to 21, 28.
- For details of output sound, see page 192 in “OPERATIONS GUIDE”.

Caution
- When you are connecting (via the DIGITAL AUDIO OUTPUT BITSTREAM/PCM jack) an AV decoder that does not have Dolby Digital, Digital Theater Systems (DTS) or MPEG2 decoding function, be sure to set “Audio out select” (page 46) to “PCM” from the on-screen displays. Otherwise, high volume sound may damage your hearing as well as the speakers.
- When playing DTS-encoded discs (DVD video discs and audio CDs), excessive noise may be output from the analog stereo jacks. To avoid possible damage to the audio system, you should take proper precautions when the analog audio out (L/R) jacks of the recorder are connected to an amplification system. To enjoy DTS Digital Surround® playback, an external 5.1 channel DTS Digital Surround® decoder system must be connected to the DIGITAL AUDIO OUTPUT BITSTREAM/PCM jack of the recorder.


Amplifier
To OPTICAL type digital audio input
To DIGITAL AUDIO OUTPUT BITSTREAM/PCM
Optical digital cable (not supplied)

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are registered trademarks of Dolby Laboratories.

“DTS” and “DTS Digital Out” are trademarks of DTS, Inc.

- Make the setting on page 46, “Audio out select”.

Notes
- DO NOT connect the DIGITAL AUDIO OUTPUT BITSTREAM/PCM jack of the recorder to the AC-3 RF input of a Dolby Digital Receiver. This input on your A/V Receiver is reserved for Laserdisc use only and is incompatible with the DIGITAL AUDIO OUTPUT BITSTREAM/PCM jack of the recorder.
- Connect the DIGITAL AUDIO OUTPUT BITSTREAM/PCM jack of the recorder to the “OPTICAL” input of a Receiver or Processor.
- Refer to the owner’s manual for the TV to be connected to this recorder for more information concerning connecting an audio system.
- The output sound of the recorder has a wide dynamic range. Be sure to adjust the audio amplifier’s volume to a moderate listening level. Otherwise, the speakers and your hearing may be damaged by a sudden high volume sound.
- Turn off the amplifier before you connect or disconnect the recorder’s power cord. If you leave the amplifier power on, the speakers may be damaged.

Basic setup

Read this chapter for necessary settings to get started. When you use this recorder for the first time, be sure to perform A to C in this order.
Proceed to D if necessary.

- **Starting up the recorder**
- **A:TV Guide On Screen® setup**
  - **Setting up TV Guide On Screen®**
- **B: Language setting**
- **C: Satellite set top box setting**
- **D: Output sound setting**
- **E: TV shape setting**
- **F: Remote control settings**
  - **Operating a TV with the remote control of this recorder**
  - **Operating the second and third TOSHIBA HDD/DVD video recorders with the remote control of this recorder**

Starting up the recorder

After all the necessary connections,

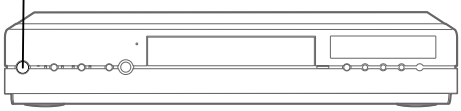
- **Turn on the equipment connected to the recorder.**
- **Select the corresponding video input on your television.**

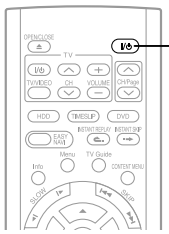
Perform these selections whenever you operate the recorder.

■ Turning the power on

Press ON/STANDBY button from the remote control or on the front panel of the recorder.

ON/STANDBY button/
ON/STANDBY indicator





ON/STANDBY button

When the power turns on, ON/STANDBY indicator changes color from red (standby mode) to green (operation).
After a few seconds, a startup screen appears.

The following icon will appear on the top right corner of the screen. The icon will continue flashing momentarily.

e.g.

While the icon is flashing, the recorder is checking the status and reading data of the HDD and the DVD drive for startup. If the DVD drive does not contain a disc, the recorder consumes less time to startup, because it does not need to read data from the DVD drive.
While the “Loading” icon is flashing, the recorder cannot respond to any operations of buttons other than CH/Page and INPUT SELECT. Operate all other functions after the icon has disappeared.

Notes

- When the recorder is turned on for the first time, the Welcome screen will be displayed after the “Loading” icon has disappeared. See “A: TV Guide On Screen® setup” (page 34).
- While displaying “WAIT” on the front panel, do not operate the recorder or unplug the power cord. Otherwise, this may result in malfunction of the recorder.

Please note that over-the-air or cable access to stations carrying TV Guide On Screen® data is required for the TV Guide On Screen® system to operate. TV Guide On Screen® does not work with satellite programming. Toshiba does not provide the TV Guide On Screen® data. Instead, the data is provided by a third party, which is responsible for the accuracy and availability of the data. Additionally, occasional compatibility issues may exist between the TV Guide On Screen® system contained in your HDD/DVD Video Recorder and the data provided by the third party. In the event that you experience any performance issues with your TV Guide On Screen® system, please do not hesitate to contact the Toshiba America Consumer Products, L.L.C. Consumer Solutions Department by calling (800) 631-3811 or by visiting http://www.tacp.com/customersupport/contact.asp

■ Turning the power off

Press ON/STANDBY button from the remote control or on the front panel of the recorder.

The “Unloading” icon appears on the right corner of the top of the screen, and the ON/STANDBY indicator turns red. Then the power turns off.

Note

- If the recorder freezes for about 15 minutes and will not respond to any buttons, holding down ON/STANDBY button on the front panel for about 10 seconds can force the recorder to turn off. However, this is an emergency measure, which contains a risk of damage to data or discs. Avoid casual use of this measure. If you try this while the recorder is operating properly, especially while the “Loading” or “Unloading” icon is flashing, it may result in re-initialization of the HDD.

■ Startup/finishing (closing) icons

These icons are displayed on the right corner on the top of the screen. While they are flashing, the recorder is operating as follows:

Startup, reading a disc, finishing recording

Unloading a disc, finishing the recorder’s operation

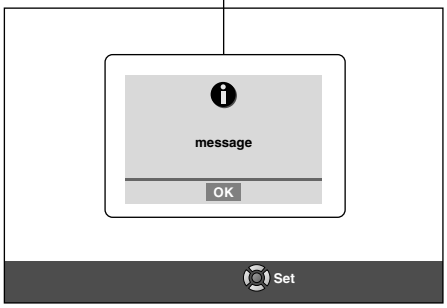
Opening a disc tray

Closing a disc tray

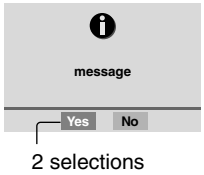
■ If a message appears

The recorder may display a message. Each message varies according to operational status.
To respond, follow the examples below.

e.g.



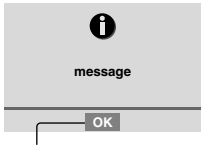
e.g.



2 selections

Select either response (by highlighting in green) using ◄/► buttons, then press ENTER button.
The message disappears.

e.g.



1 selection

Read the message, then press ENTER button.
The message disappears.

e.g.

No selection

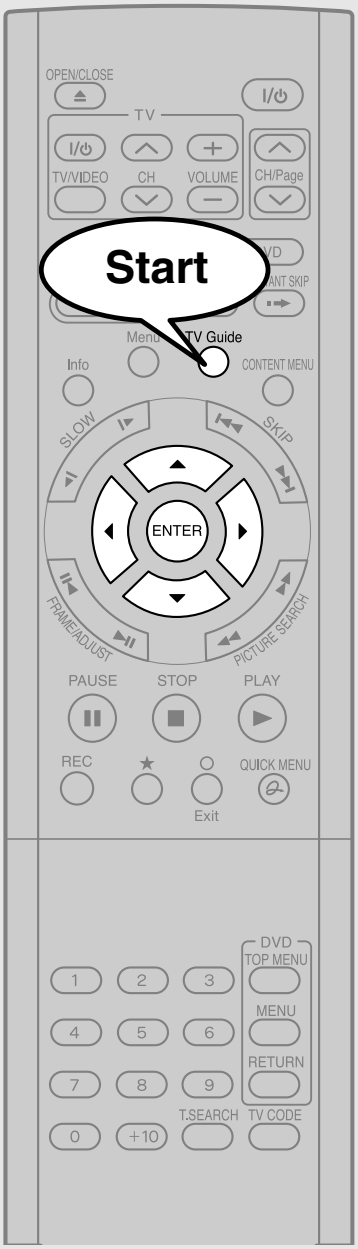
The message disappears automatically in a few seconds.

A: TV Guide On Screen® setup

This step sets the recorder's clock and tuner to record broadcasting TV programs.
Once you complete this process there is generally no need to reset the clock. (However, if there are discrepancies in the recorder's time display or changes made to receivable TV stations, you should make this setting again.)

FOR SATELLITE USERS:

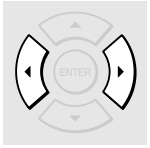
The TV Guide System is NOT compatible with satellite DBS systems. Please select the option "Don't remind me again" in the Initial TV Guide Setup Screen shown in step 1 on ⇨ page 35. After selecting this option, please proceed to "Language setting" on ⇨ page 41, and then "Satellite set top box setting" on ⇨ page 42 to setup control of your Digital Broadcast Satellite box.



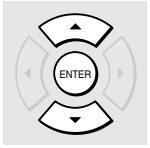
To set up the recorder for the first time see the TV Guide On Screen® setup instructions on ⇨ page 35.

1 **Press TV Guide.**

2 **Press ◄/► to select "SETUP".**

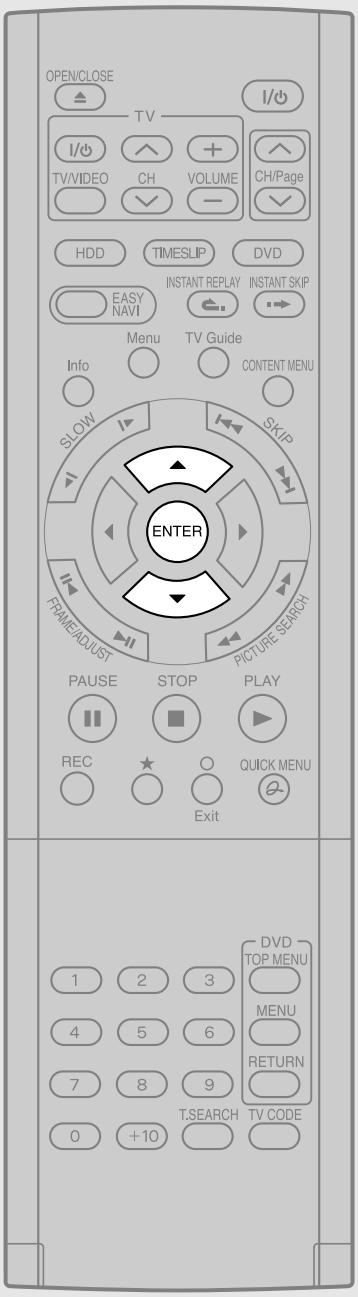


3 **Press ▲/▼ to select "Change system settings", then press ENTER.**

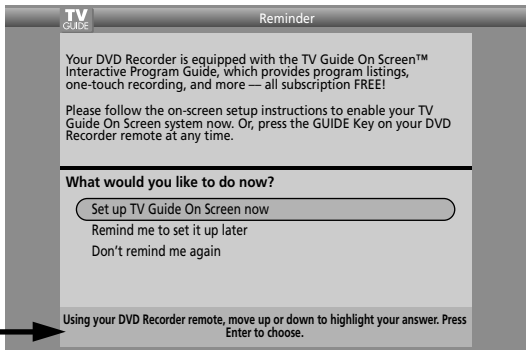


4 **Press ▲/▼ to select "No, repeat setup process", then press ENTER.**

Setting up TV Guide On Screen®



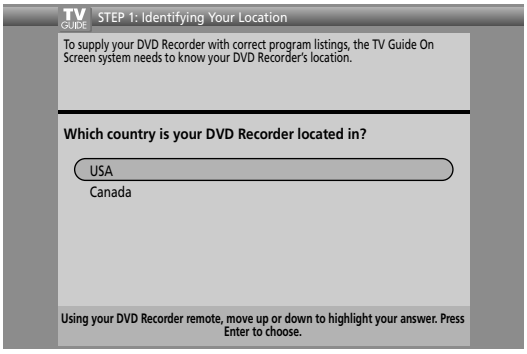
1 Setup selection


TV GUIDE
Reminder
Your DVD Recorder is equipped with the TV Guide On Screen™ Interactive Program Guide, which provides program listings, one-touch recording, and more — all subscription FREE!
Please follow the on-screen setup instructions to enable your TV Guide On Screen system now. Or, press the GUIDE Key on your DVD Recorder remote at any time.
What would you like to do now?
Set up TV Guide On Screen now
Remind me to set it up later
Don't remind me again
Using your DVD Recorder remote, move up or down to highlight your answer. Press Enter to choose.

Instructions are provided at the bottom for each screen.

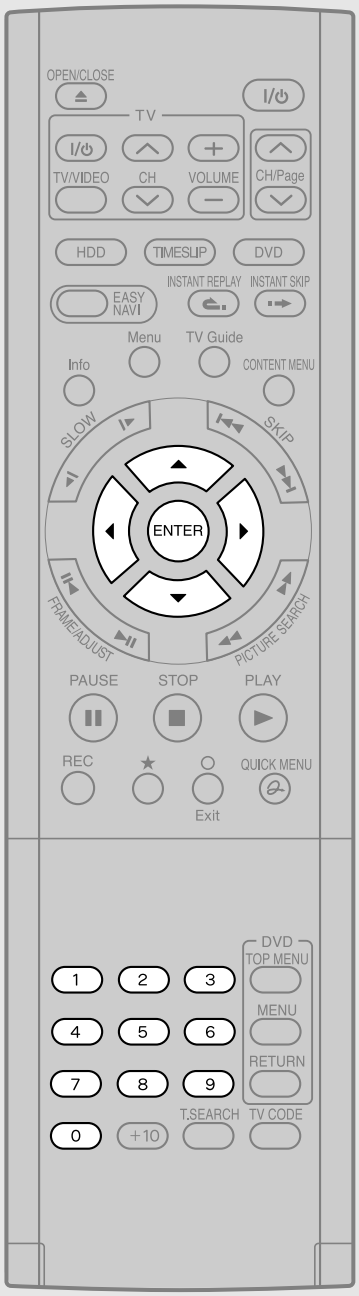
Press ▲ / ▼ to select "Set up TV Guide On Screen Now", then press ENTER.

2 Country

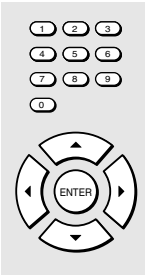

TV GUIDE
STEP 1: Identifying Your Location
To supply your DVD Recorder with correct program listings, the TV Guide On Screen system needs to know your DVD Recorder's location.
Which country is your DVD Recorder located in?
USA
Canada
Using your DVD Recorder remote, move up or down to highlight your answer. Press Enter to choose.

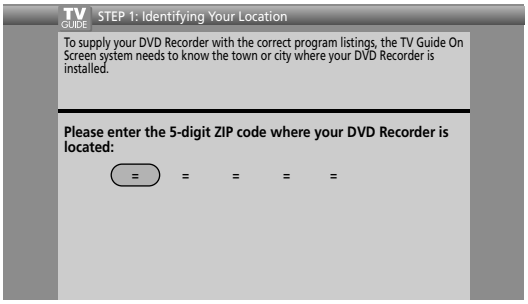
Press ▲ / ▼ to select, then press ENTER.

(Continued)



3 ZIP or postal code

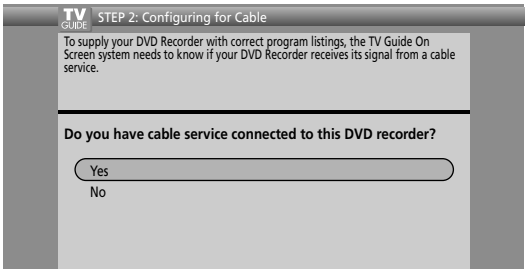



TV GUIDE
STEP 1: Identifying Your Location
To supply your DVD Recorder with the correct program listings, the TV Guide On Screen system needs to know the town or city where your DVD Recorder is installed.
Please enter the 5-digit ZIP code where your DVD Recorder is located:
= = = = =

Use one of the options below to enter your ZIP or Postal Code, then press ENTER:

- Number buttons
- ▲ / ▼ to select a number, then ◄ / ► to move to another field.

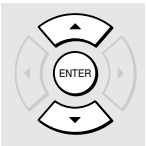
4 Cable service

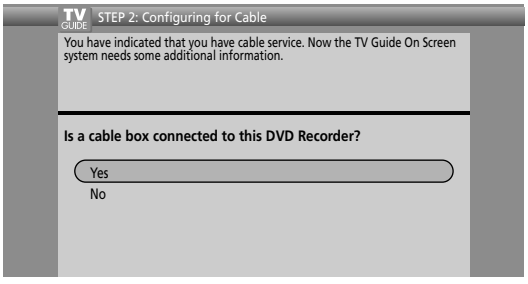

TV GUIDE
STEP 2: Configuring for Cable
To supply your DVD Recorder with correct program listings, the TV Guide On Screen system needs to know if your DVD Recorder receives its signal from a cable service.
Do you have cable service connected to this DVD recorder?
Yes
No

Press ▲ / ▼ to select, then press ENTER.

If the answer is “No”, you will go to step 12.

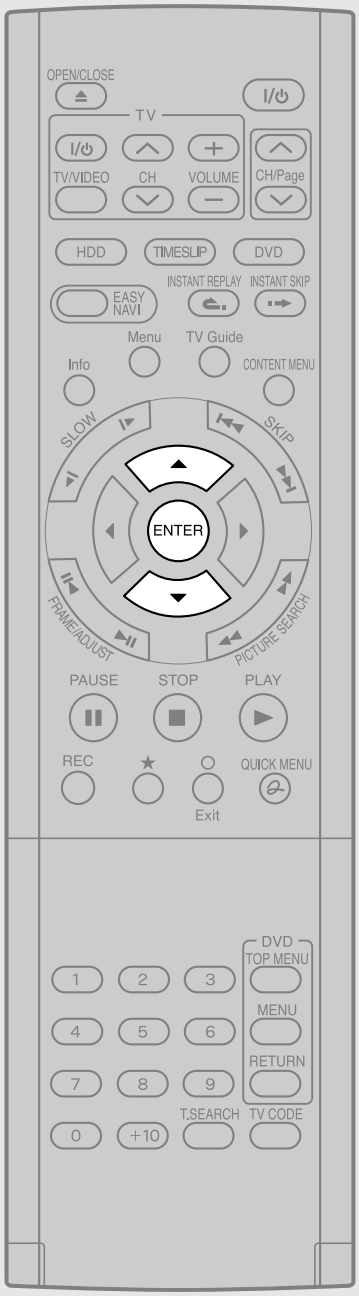
5 Cable connection



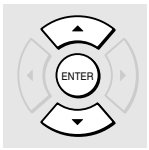

TV GUIDE
STEP 2: Configuring for Cable
You have indicated that you have cable service. Now the TV Guide On Screen system needs some additional information.
Is a cable box connected to this DVD Recorder?
Yes
No

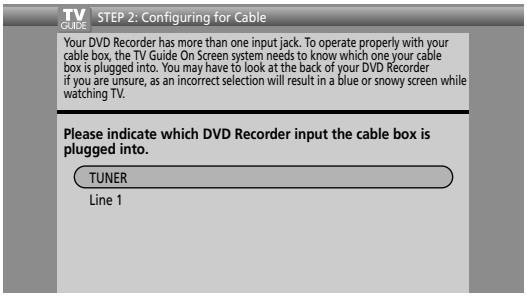
Press ▲ / ▼ to select, then press ENTER.

If you select “Yes”, the DSS set top box control function is disabled. To use this function, select “No” and make the setting of page 42.



6 Cable input

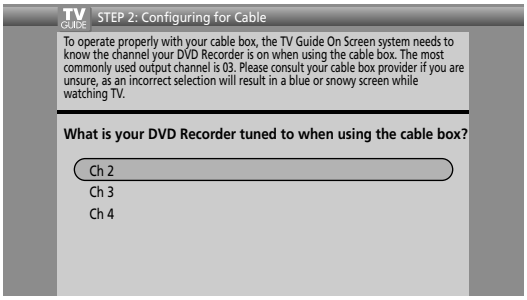



TV GUIDE
STEP 2: Configuring for Cable
Your DVD Recorder has more than one input jack. To operate properly with your cable box, the TV Guide On Screen system needs to know which one your cable box is plugged into. You may have to look at the back of your DVD Recorder if you are unsure, as an incorrect selection will result in a blue or snowy screen while watching TV.
Please indicate which DVD Recorder input the cable box is plugged into.
TUNER
Line 1

Press ▲ / ▼ to select, then press ENTER.

If you select “TUNER”, you will go to step 7.
If you select “Line 1”, you will go to step 8.

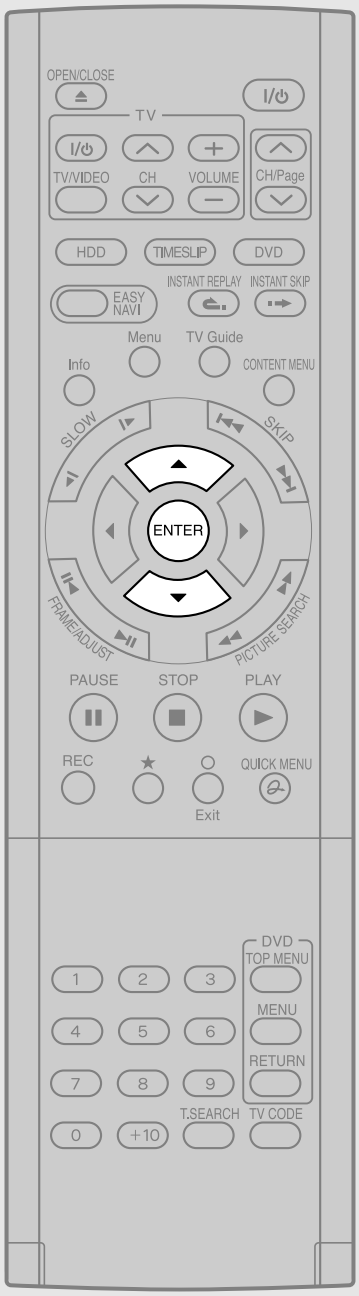
7 Tuning channel for the cable box


TV GUIDE
STEP 2: Configuring for Cable
To operate properly with your cable box, the TV Guide On Screen system needs to know the channel your DVD Recorder is on when using the cable box. The most commonly used output channel is 03. Please consult your cable box provider if you are unsure, as an incorrect selection will result in a blue or snowy screen while watching TV.
What is your DVD Recorder tuned to when using the cable box?
Ch 2
Ch 3
Ch 4

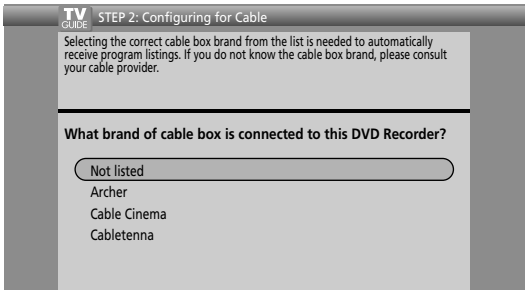
Press ▲ / ▼ to select, then press ENTER.

8 Read the instructions and observe the diagram. Confirm that the G-LINK® cable and its wand is properly installed. (⇨ page 25) If OK, press ENTER.

(Continued)

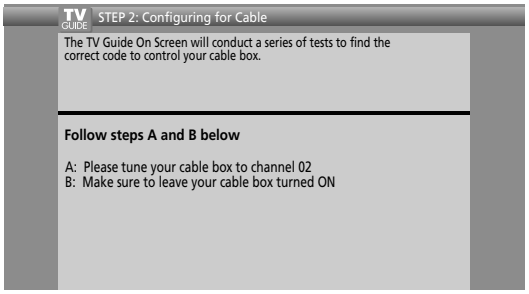


9 Cable box brand name


TV GUIDE
STEP 2: Configuring for Cable
Selecting the correct cable box brand from the list is needed to automatically receive program listings. If you do not know the cable box brand, please consult your cable provider.
What brand of cable box is connected to this DVD Recorder?
Not listed
Archer
Cable Cinema
Cabletenna

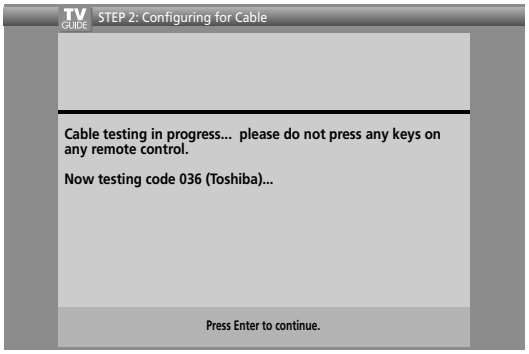
Press ▲/▼ to view and select more brands, then press ENTER.

10 Cable box preparation

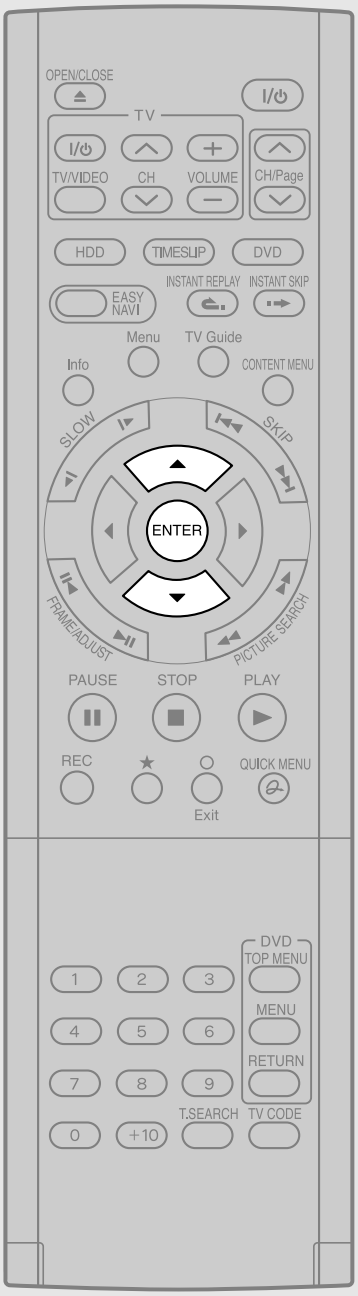

TV GUIDE
STEP 2: Configuring for Cable
The TV Guide On Screen will conduct a series of tests to find the correct code to control your cable box.
Follow steps A and B below
A: Please tune your cable box to channel 02
B: Make sure to leave your cable box turned ON

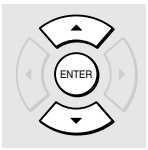
Follow the instructions, then press ENTER.

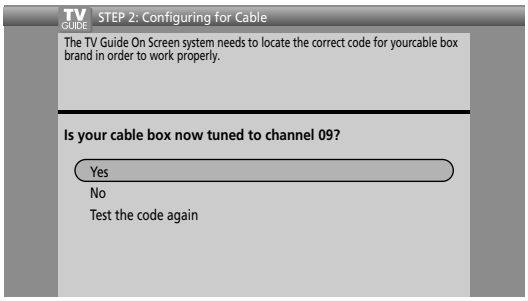
11 Cable box code testing


TV GUIDE
STEP 2: Configuring for Cable
Cable testing in progress... please do not press any keys on any remote control.
Now testing code 036 (Toshiba)...
Press Enter to continue.

When testing is done, the following screen automatically appears.





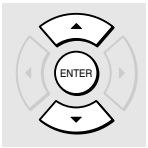

TV GUIDE
STEP 2: Configuring for Cable
The TV Guide On Screen system needs to locate the correct code for yourcable box brand in order to work properly.
Is your cable box now tuned to channel 09?
Yes
No
Test the code again

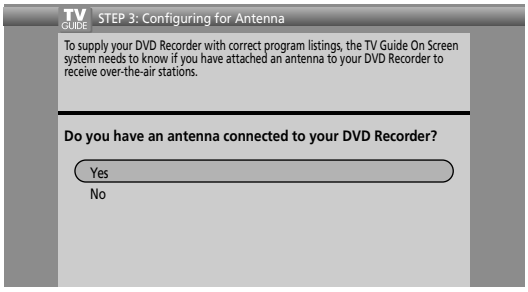
Press ▲ / ▼ to select, then press ENTER.

If your answer is “Yes”, and:

- if you selected “TUNER” at step 6, you will go to step 13.
- if you selected “Line 1” at step 6, you will go to step 12.

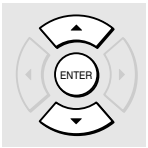
12 Antenna connection

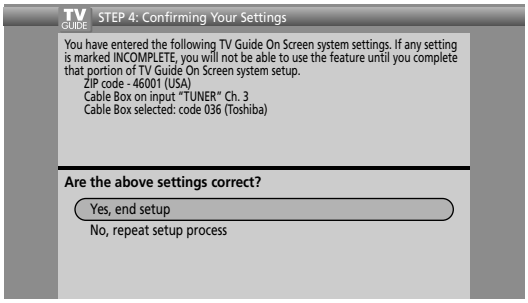



TV GUIDE
STEP 3: Configuring for Antenna
To supply your DVD Recorder with correct program listings, the TV Guide On Screen system needs to know if you have attached an antenna to your DVD Recorder to receive over-the-air stations.
Do you have an antenna connected to your DVD Recorder?
Yes
No

Press ▲ / ▼ to select, then press ENTER.

13 Confirmation

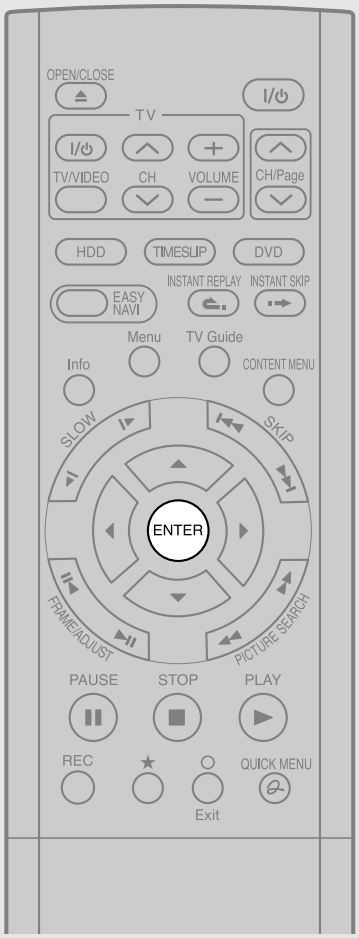



TV GUIDE
STEP 4: Confirming Your Settings
You have entered the following TV Guide On Screen system settings. If any setting is marked INCOMPLETE, you will not be able to use the feature until you complete that portion of TV Guide On Screen system setup.
ZIP code - 46001 (USA)
Cable Box on input “TUNER” Ch. 3
Cable Box selected: code 036 (Toshiba)
Are the above settings correct?
Yes, end setup
No, repeat setup process

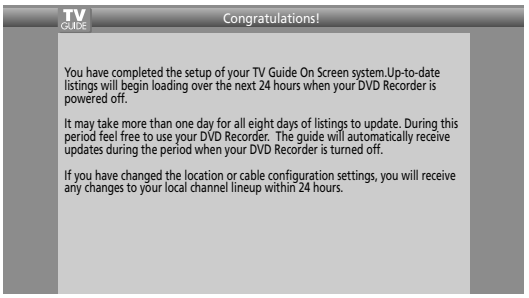
Press ▲ / ▼ to select, then press ENTER.

(Continued)

A: TV Guide On Screen® setup (Continued)

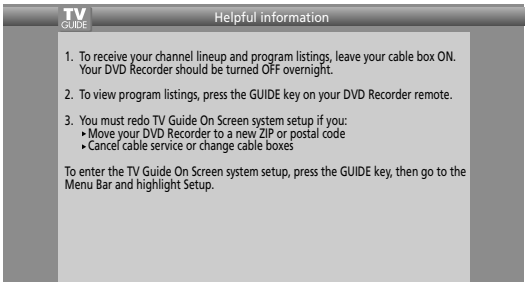


14 Confirmation


TV GUIDE
Congratulations!
You have completed the setup of your TV Guide On Screen system.Up-to-date listings will begin loading over the next 24 hours when your DVD Recorder is powered off.
It may take more than one day for all eight days of listings to update. During this period feel free to use your DVD Recorder. The guide will automatically receive updates during the period when your DVD Recorder is turned off.
If you have changed the location or cable configuration settings, you will receive any changes to your local channel lineup within 24 hours.

You have successfully completed the setup!
Press ENTER.

15 Information


TV GUIDE
Helpful information
1. To receive your channel lineup and program listings, leave your cable box ON. Your DVD Recorder should be turned OFF overnight.
2. To view program listings, press the GUIDE key on your DVD Recorder remote.
3. You must redo TV Guide On Screen system setup if you:
▸Move your DVD Recorder to a new ZIP or postal code
▸Cancel cable service or change cable boxes
To enter the TV Guide On Screen system setup, press the GUIDE key, then go to the Menu Bar and highlight Setup.

Read the information and press ENTER.

Notes

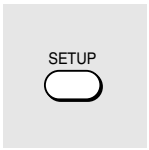
- When the clock data cannot be downloaded from the TV Guide On Screen® system, set the clock manually. (⇨ page 187, in "OPERATIONS GUIDE")
- It may take about 24 hours for the TV Guide On Screen® system to be fully available after the setup is finished.
- **TV Guide On Screen® system is not compatible with the DSS set top box control function (⇨ page 42). If you select "Yes" at step 5 (⇨ page 36) and complete the setup, the recorder sets itself to TV Guide On Screen® system and disables the setting on ⇨ page 42.**

"A: TV Guide On Screen® setup" is complete. Go to "B: Language setting". (⇨ page 41)

B: Language setting

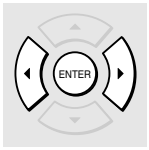
Select a preferred language for on-screen displays.

1 Press SETUP.

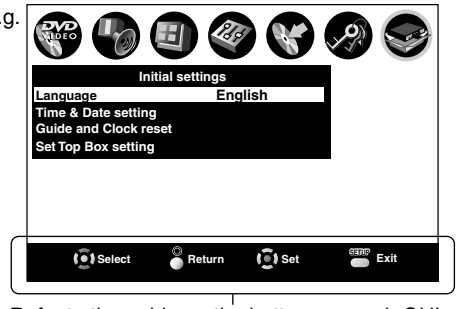


The setup menu appears.

2 Press ◄/► to select “Initial settings”, then press ENTER.



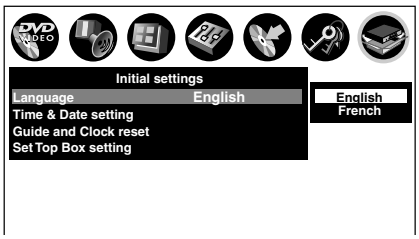
e.g.



Refer to the guide on the bottom on each GUI for further programming related information.

3 Press ▲/▼ to select “Language”, then press ENTER.

e.g.



4 Press ▲/▼ to select a language, then press ENTER.

English: To view on-screen displays in English.
French: To view on-screen displays in French.

“B: Language setting” is complete. Go to “C: Satellite set top box setting” (⇨ page 42).

Note

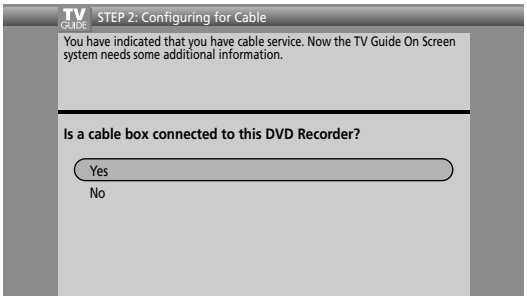
• This setting is not available for TV Guide On Screen® displays.

C: Satellite set top box setting

Set your recorder to control channels of a connected satellite set top box. (DSS set top box control function)

This setting is only for users who connect a DSS set top box.

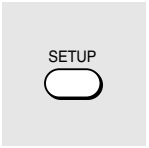
If you selected "Yes" at step 5 on ⇨ page 36, you do not need to do this setting. Skip to "D: Output sound setting" (⇨ page 46).


TV GUIDE
STEP 2: Configuring for Cable
You have indicated that you have cable service. Now the TV Guide On Screen system needs some additional information.
Is a cable box connected to this DVD Recorder?
Yes
No

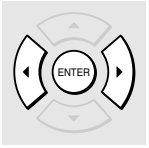
Important

- Be sure to connect your satellite set top box to the INPUT3 jacks of the recorder.
- Make the G-LINK® cable connection (⇨ page 25) between your satellite set top box and the recorder.

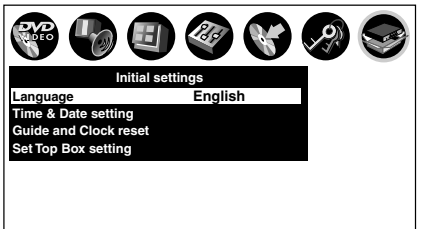
1 Press SETUP to display the setup menu.



2 Press ◄/► to select "Initial settings", then press ENTER.

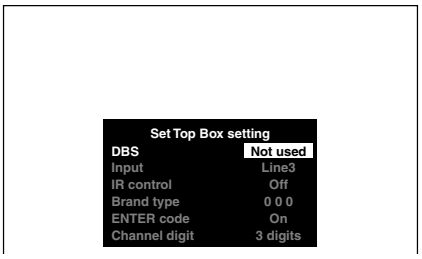


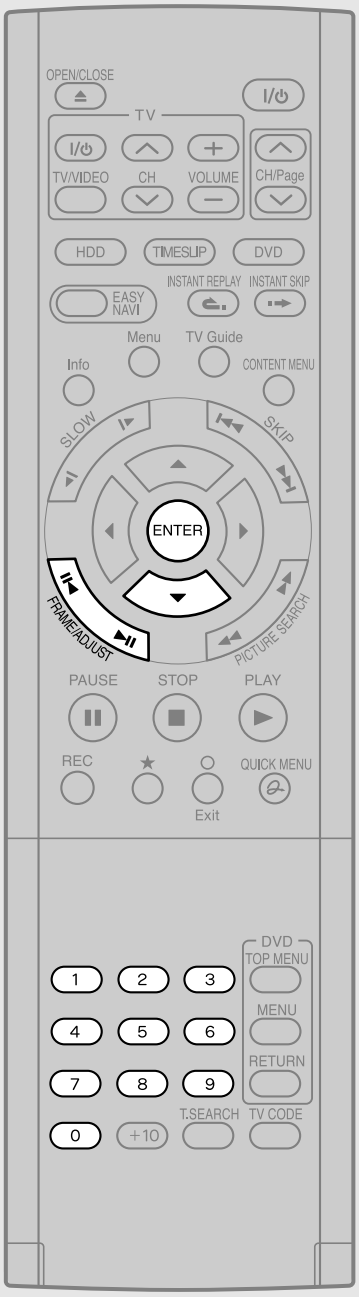
e.g.



3 Press ▲/▼ to select "Set Top Box setting", then press ENTER.

e.g.





4 Press ADJUST (or ◄/►) to set “DBS” to “Not used” or “Use”.

Not used:
When a satellite set top box is not connected to the INPUT3 jacks of the recorder.
Skip to step 9.

Use:
When a satellite set top box is connected to the INPUT3 jacks of the recorder.

5 Press ▼, then press ADJUST (or ◄/►) to set “IR control” to “On” or “Off”.

Off: Channels of the satellite set top box are selected by its own selector.
Skip to step 9.

On: The recorder can change channels of the satellite set top box.
Be sure to make the G-LINK® connection (page 25).

6 Press ▼, then press the number buttons to enter the 3 digits of a brand code of your satellite set top box obtained from the list (page 44).

e.g. If you connect a TOSHIBA satellite set top box:

0 → 9 → 0

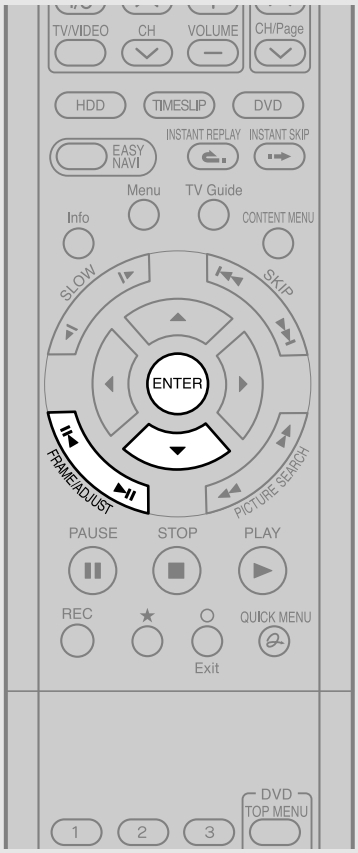
7 Press ▼, then press ADJUST (or ◄/►) to set “ENTER code” to “On” or “Off”.

Confirm whether the connected satellite set top box requires ENTER input after digits in channel selection or not.

On: If ENTER input is required.

Off: If ENTER input is not required.

(Continued)



8 Press ▼, then press ADJUST (or ◄/►) to set "Channel digit" to "3 digits" or "4 digits".

3 digits:
If the connected satellite set top box uses 3 digit channel selection.

4 digits:
If the connected satellite set top box uses 4 digit channel selection.

9 Press ENTER.

"Initial settings" menu returns.
To exit the setting menu, press SETUP button.

If you have set "IR control" to "On" at step 5 (⇨ page 43), test the channel control from the recorder.

1) Turn on your satellite set top box connected to the INPUT3 jacks of the recorder.
2) Press INPUT SELECT repeatedly to select the Line3 input. (Use this input whenever you view or record satellite channels on this recorder.)
3) Press the number buttons or CH/Page buttons of the recorder's remote control.

Channels can change? If not, shift the G-LINK® wand of the G-LINK® cable or try another brand code.

"C: Satellite set top box setting" is complete. Go to "D: Output sound setting" (⇨ page 46).

Note

- This setting will be reset to default if you redo the TV Guide On Screen® setup and select "Yes" at the cable selection (step 5, ⇨ page 36).

■ Brand code table

Brand name	Brand code				
Toshiba	090	215	218	233	240
Alphastar	216				
atlantic	234				
Bell	217				
Century	221				
Chaparral	204				
Crossdigital	227				
DishNet	217	224	229		
Dishpro	217	224			
DirecTV	106	202	205	208	209
	211	214	215	219	226
	227	228	238	239	240
	241				
Drake	093				
Echostar	092	100	217	224	229
Expressiv	217				
Galaxis	222				
GE	209				
General	207	210	223		
GOI	217				
Gradiente	221				
Hitachi	091	099	102	105	215
	219				
Houston	217				
HTS	217				
Hughes	091	099	102	105	215
	228	238	240		
Humax	206	222	225	230	236
Innova	202				
Jerrold	201	207	210		
JVC	217	229			
McIntosh	223				

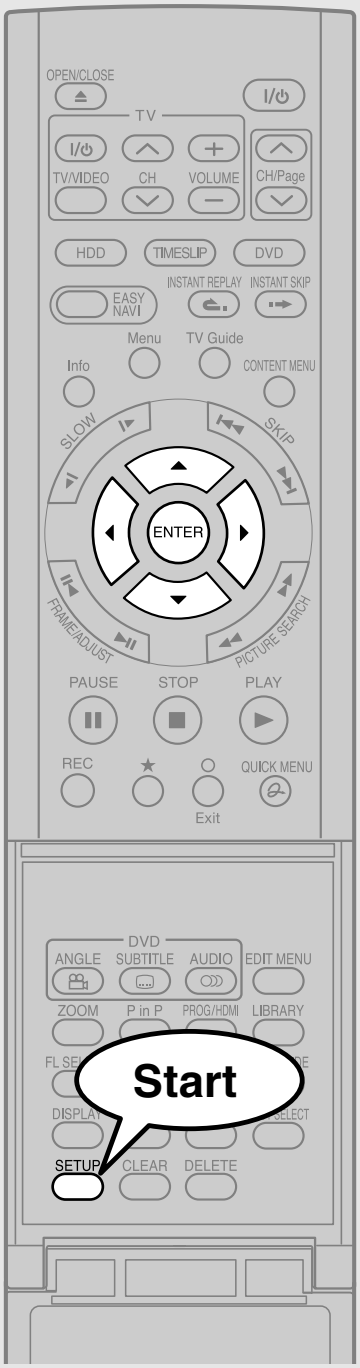
Brand name	Brand code				
Magnavox	094	095	213	214	
Memorex	214				
Mitsubishi	215				
Motorola	223				
NEC	231				
Netsat	202				
NextLevel	223				
Optimus	094	095	214		
Panasonic	096	205	212		
Paysat	214				
Philips	091	099	102	105	202
	213	214	215	217	221
	226	228	238	240	
Primestar	092	100	207	210	223
ProScan	097	103	208	209	
QNS	237				
RadioShack	223				
RCA	097	103	203	208	209
	220				
Samsung	097	103	227	232	
StarChoice	223				
StarTrak	216	223			
Sky	202	221	241		
Sony	098	211	239		
Tivo	228	238			
Thomson	208	209			
UEC	234	235			
uniden	094	095	213	214	
Video Ciper	207				
Zenith	101	221	241		

Note

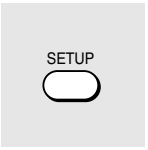
• Some models of satellite set top box may not be controlled with this recorder.

D: Output sound setting

Select the output sound setting corresponding to the connected TV or audio system.

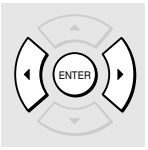


1 Press SETUP.

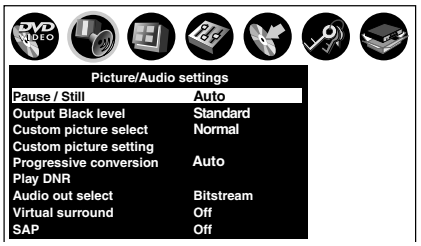


The setup menu appears.

2 Press ◄/► to select “Picture/Audio settings”, then press ENTER.

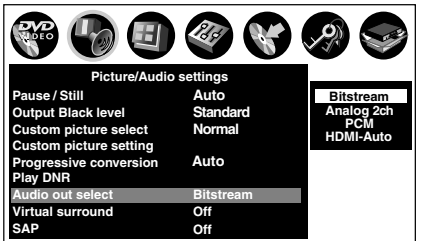


e.g.

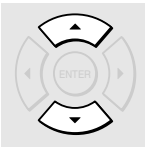


3 Press ▲/▼ to select “Audio out select”, then press ENTER.

e.g.

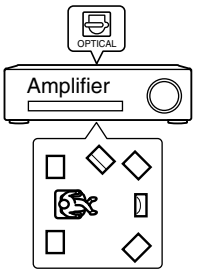


4 Press ▲/▼ to select the output sound format.

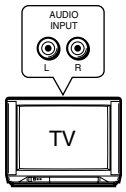


Bitstream:
Select when connected to an amplifier equipped with a Dolby Digital, DTS, MPEG1 and MPEG2 decoder. (page 29)

The recorder outputs digital audio signals in the bitstream format when you play a DVD video disc recorded on the Dolby Digital, DTS, MPEG1 and MPEG2 recording system.

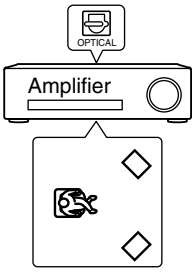


Analog 2ch:
Select when connected to a TV or audio system via the analog audio jacks. (⇨ pages 21, 28)

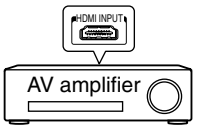


PCM:
Select when connected to a 2 channel digital stereo system. (⇨ page 29)

The recorder outputs sounds in the PCM 2ch format when you play a disc recorded on the Dolby Digital, MPEG1 and MPEG2 recording system.



HDMI-Auto:
Select when connected to an HDMI compatible device equipped with a Dolby Digital, DTS or MPEG decoder.



The recorder outputs digital audio signals in the bistream format when you play a disc recorded on the Dolby Digital, DTS or MPEG recording system.
If the connected HDMI device does not support Dolby Digital or MPEG, the recorder outputs sounds in the linear PCM format. If it does not support DTS, the recorder outputs no sounds.

5 Once the proper setting is selected, press ENTER.

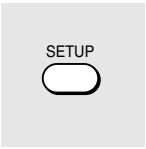
The submenu disappears.
To exit the setting menu, press SETUP button.

"D: Output sound setting" is complete. Go to "E: TV shape setting". (⇨ page 48)

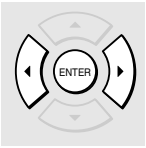
E: TV shape setting

Select the picture shape according to the aspect ratio of your TV.

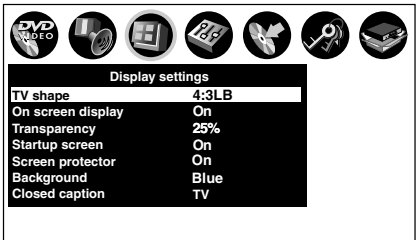
1 Press SETUP to display the setup menu.



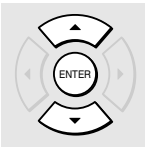
2 Press ◄/► to select “Display settings”, then press ENTER.



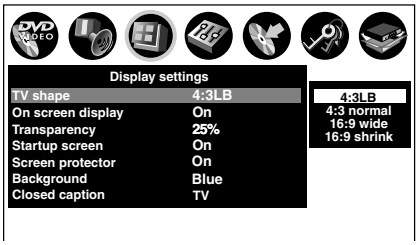
e.g.



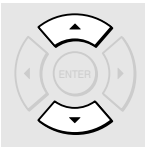
3 Press ▲/▼ to select “TV shape”, then press ENTER.



e.g.



4 Press ▲ / ▼ to select the picture shape.



4:3LB:
Select when a standard 4:3 TV is connected.
Displays theatrical images with masking bars above and below the picture.

4:3 normal:
Select when a standard 4:3 TV is connected.
Displays pictures cropped to fill your TV screen. Either or both of the picture's sides are cut off.

16:9 wide:
Select when a 16:9 wide TV is connected.

16:9 shrink:
Select when a 16:9 wide TV is connected.
When a 4:3 aspect ratio image has been elongated to 16:9 wide picture size, use this setting.
Masking bars to the right and left appears.

5 When the proper setting is selected, press ENTER.

The submenu disappears.
To exit the setting menu, press SETUP button.

Notes
- Actual picture shape may depend on signal types of broadcasts or input sources, or settings on the connected TV. Refer to the owner's manual of your TV.
- When a DVD video disc has a particular available picture shape, the contents may not be compatible with other picture shapes.

"E: TV shape setting" is complete. Go to "F: Remote control settings". (⇨ page 50)

F: Remote control settings

Take this step according to your preference and usage.

Operating a TV with the remote control of this recorder

The remote control of this recorder has a function to operate a TV.

Preparation: Please find the brand code on the next page for the TV you wish to control.

1 While holding TV CODE, press the number buttons to enter a corresponding brand code (see the next page) of your TV.

TV CODE

e.g. To enter 0071

TV CODE → 0 → 0 → 7 → 1

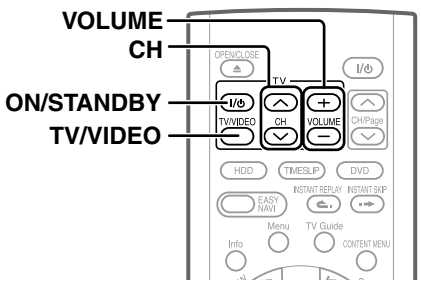
Hold down.

2 Release TV CODE.

The brand code is memorized.

Operating your TV with the remote control

Point the remote control to your TV after you have entered the brand code. Operate your TV with the buttons below.



ON/STANDBY: To turn on and off the TV
TV/VIDEO : To change the video input
CH : To select the TV channel
VOLUME : To adjust the volume

■ Brand code table

Brand name	Brand code
Toshiba	0001 0021 0071 0311 0411 0431 0831 0841 0851 1341 1611 1621 1681 1781 1951 2121 2461 2491
Bell & Howell	0081 0431
Citizen	0051 0381 0471 0551 0621 0851 1561
Curtis Mathes	0051 0391 0431 0531 0621 0851 1521 1561 2501
Emerson	0051 0111 0121 0141 0151 0161 0201 0211 0351 0381 0431 0521 0561 0571 0621 0691 1241 1291 1371 1561 2481
Fisher	0251 0401 0431 1151 2451 2481
GE	0041 0051 0091 0181 0321 0371 0391 0591 0621 0711 0741 0881 1041 1471 1521 2481 2501
Goldstar	0051 0061 0161 0231 0451 0501 0621 0661 0771 0961 1431 1561 2481
Hallmark	0051 0621
Hitachi	2381 0031 0051 0161 0191 0301 0601 0621 0641 0671 0811 0821 0951 1011 1061 1241 1361 1651 1711 1731 1741 1751 1761 2041 2051 2131
Infinity	0631
JBL	0631
JVC	0101 0161 0191 0241 0331 0511 0561 0601 0741 0991 1321 1421 2161 2171 2261
LXI	0001 0311 0391 0411 0431 0621 0631 1041 1171 1521 2491 2501
Magnavox	0051 0271 0291 0341 0361 0421 0551 0621 0631 0661 0971 0981 1131 2221 2351
Marantz	0051 0481 0621 0631 0641 2491
Memorex	0081 0431 0501 0621 2491
MGA	0051 0251 0261 0371 0501 0621 0661 0761
Mitsubishi	0051 0251 0261 0281 0371 0491 0501 0621 0661 0761 2231 2241
MTC	0051 0501 0621 0851
NAD	0001 0311 0411 0621 1061
Optonica	0541 1101
Panasonic	2301 0631 0711 0741 1271 1351 1401 1501 1701 1791 1801 2111 2151
Philco	0051 0161 0271 0291 0361 0421 0501 0551 0621 0631 0661 0711
Philips	0051 0161 0271 0321 0361 0421 0461 0551 0631 0661 0711 2141 2351
Proton	0051 0161 0621 0651 2491
Quasar	0711 0741 0801 1401 2281
Radio Shack	0431 1521 2481
Radio Shack/Realistic	0051 0161 0381 0391 0431 0541 0621 1431 1561 2501
RCA	0051 0221 0391 0501 0621 0661 0711 0871 0881 0911 0921 0941 1001 1041 1071 1091 1181 1211 1241 1301 1461 1491 1521 1531 2291 2481 2501
Realistic	0431 1521
Runco	0011
Samsung	1811 0051 0161 0501 0531 0621 0661 0851 0931 1021 1141 1431 1561 1591 1601 1771 1821 1831 1841 1851 1861 1931 2081 2101 2311
Sanyo	0051 0261 0401 0431 0791 0901 1151 2461
Sears	0001 0051 0151 0191 0251 0311 0331 0391 0401 0411 0431 0621 0661 1041 1081 1151 1481 1521 2461 2481 2501
Sharp	2181 0051 0111 0161 0351 0541 0581 0611 0621 0731 0891 1101 1561 1721 1871 1881 1941 2341
Sony	1231 0441 1111 1511 2411 1891 1901 2061 2421 2431 2401
Soundesign	0051 0151 0381 0551 0621 2481
Sylvania	0051 0071 0271 0291 0341 0361 0421 0551 0621 0631 0661 0861 1441 2191 2201
Tandy	1101
Technics	0741
Teknika	0051 0081 0151 0161 0191 0341 0381 0471 0501 0551 0621 0851 1271 1401 1561 2481
Wards	0051 0081 0141 0151 0181 0211 0271 0321 0341 0361 0391 0421 0501 0541 0621 0631 0661 1051 1521 2491 2501
Zenith	0011 0051 0081 0781 1281 1571 2091 2211 2251 2391 2361 2441

Notes

- TOSHIBA code is already set when you operate this recorder for the first time.
- Some brands have several codes. Try one by one until the remote control can operate your TV.
- Even after the recorder's remote control is programmed, it may not operate some or all of the features on your other device. If this happens and you wish to use those features, you will need to use the device's original remote control.
- When replacing the batteries of the remote control, re-enter the brand code of your TV.

F: Remote control settings (Continued)

Operating the second and third TOSHIBA HDD/DVD video recorders with the remote control of this recorder

Switches the codes to operate the recorder.
If you use the second and third TOSHIBA HDD/DVD video recorders, set the different remote codes for each recorder to avoid confusion in the response of the recorders.

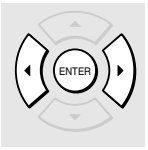
Example: Setting this recorder's remote control mode to DR 2, after another HDD/DVD recorder has been set to DR 1.
(It is necessary to set the remote control mode on both the recorder and the remote control.)

Setting up the recorder

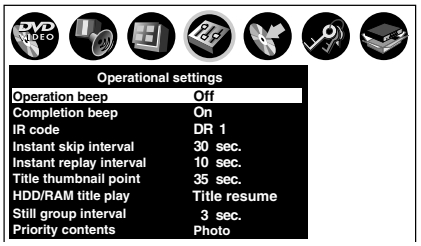
1 Press SETUP.

The setting menu appears.

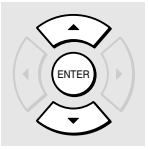
2 Press ◄/► to select "Operational settings", then press ENTER.



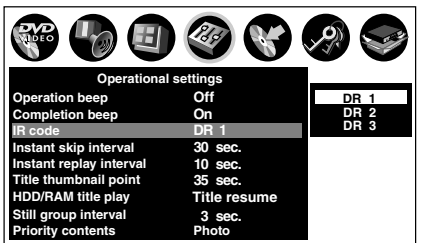
e.g.


Operational settings
Operation beep Off
Completion beep On
IR code DR 1
Instant skip interval 30 sec.
Instant replay interval 10 sec.
Title thumbnail point 35 sec.
HDD/RAM title play Title resume
Still group interval 3 sec.
Priority contents Photo

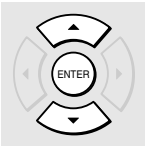
3 Press ▲/▼ to select "IR code", then press ENTER.



e.g.



4 Press ▲/▼ to select "DR 2" (example), then press ENTER.



The submenu disappears.
Press ENTER button and the IR code you selected is activated. Operation may not be possible temporarily until you set the corresponding mode of the remote control. Proceed to the next setting.

Setting up the remote control

5 While pressing EASY NAVI, press 2.

EASY NAVI

The remote control mode is set to “DR 2”.

2

Select the same mode that you have set to the recorder.

	Mode setting	
	Recorder	Remote control
When using with DR 1 mode	DR 1 DR 2 DR 3	EASY NAVI + 1
When using with DR 2 mode	DR 1 DR 2 DR 3	EASY NAVI + 2
When using with DR 3 mode	DR 1 DR 2 DR 3	EASY NAVI + 3

Notes

- If the recorder’s mode and the remote control’s mode are different, the recorder’s mode (DR 1, DR 2 or DR 3) appears on the display of the front panel.
- When the batteries of the remote control are replaced or when the time indicator of the front panel flashes, check the remote control modes of both the recorder and the remote control, and re-program it if necessary.

■ Disabling the remote control for a temporary period

You can temporarily disable the reception of the remote control signals at the recorder, when the selection of DR 1, DR 2 and DR 3 is not sufficient while you are using several Toshiba HDD/DVD video recorders.

Press CH buttons on the recorder at the same time for three seconds or more.

The recorder display shows “DR - OFF”, indicating that the remote control is disabled.

To enable the remote control, perform the same step again. (The display shows “DR-1 , DR-2 or DR-3” depending on your setting.)

Note

- You cannot use this feature when the power is turned off, if you have turned “Off” “Front Display” on the menu.

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(2) You must include a copy of original bill of sale or other proof of purchase along with the entire DAV Product to the Depot Warranty Repair Center specified by the TACP Consumer Solutions Center. You are responsible for all inbound transportation and insurance charges for the DAV Product to the Depot Warranty Repair Center specified by the TACP Consumer Solutions Center.

For additional information, visit TACP’s web site: www.tacp.toshiba.com.

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